

Kongruenz-Bingo (1)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$a = 5 \text{ cm}$	$\gamma = 40^\circ$	$\gamma = 110^\circ$	$b = 3 \text{ cm}$	$c = 1 \text{ cm}$	$a = 2 \text{ cm}$
$a = 4 \text{ cm}$	$\alpha = 120^\circ$	$b = 2 \text{ cm}$	$c = 7 \text{ cm}$	$c = 2 \text{ cm}$	$\alpha = 60^\circ$
$b = 9 \text{ cm}$	$\beta = 50^\circ$	$a = 8 \text{ cm}$	$\beta = 140^\circ$	$c = 9 \text{ cm}$	$a = 6 \text{ cm}$
$\gamma = 90^\circ$	$b = 6 \text{ cm}$	$a = 5 \text{ cm}$	$a = 3 \text{ cm}$	$b = 7 \text{ cm}$	$a = 1 \text{ cm}$
$\gamma = 90^\circ$	$\beta = 90^\circ$	$\beta = 100^\circ$	$\gamma = 50^\circ$	$\beta = 30^\circ$	$\gamma = 60^\circ$
$\beta = 100^\circ$	$c = 6 \text{ cm}$	$\alpha = 120^\circ$	$\alpha = 50^\circ$	$c = 10 \text{ cm}$	$\gamma = 110^\circ$
$\beta = 120^\circ$	$b = 4 \text{ cm}$	$\beta = 70^\circ$	$c = 8 \text{ cm}$	$\alpha = 50^\circ$	$c = 7 \text{ cm}$
$a = 4 \text{ cm}$	$a = 3 \text{ cm}$	$c = 6 \text{ cm}$	$a = 10 \text{ cm}$	$a = 2 \text{ cm}$	$\alpha = 30^\circ$
$\beta = 30^\circ$	$\gamma = 60^\circ$	$c = 5 \text{ cm}$	$\beta = 20^\circ$	$\alpha = 20^\circ$	$\gamma = 10^\circ$
$\beta = 45^\circ$	$c = 10 \text{ cm}$	$\gamma = 120^\circ$	$\beta = 120^\circ$	$\beta = 20^\circ$	$a = 9 \text{ cm}$
$c = 3 \text{ cm}$	$a = 10 \text{ cm}$	$\beta = 50^\circ$	$c = 5 \text{ cm}$	$\gamma = 130^\circ$	$\gamma = 100^\circ$
$\alpha = 140^\circ$	$\gamma = 10^\circ$	$\beta = 90^\circ$	$\alpha = 20^\circ$	$\gamma = 75^\circ$	$\alpha = 80^\circ$
$c = 2 \text{ cm}$	$\alpha = 45^\circ$	$\gamma = 120^\circ$	$b = 5 \text{ cm}$	$a = 6 \text{ cm}$	$b = 3 \text{ cm}$
$\beta = 60^\circ$	$b = 9 \text{ cm}$	$b = 2 \text{ cm}$	$b = 6 \text{ cm}$	$\alpha = 140^\circ$	$\gamma = 40^\circ$
$c = 9 \text{ cm}$	$\beta = 45^\circ$	$\alpha = 80^\circ$	$b = 10 \text{ cm}$	$\beta = 70^\circ$	$\alpha = 45^\circ$
$\alpha = 10^\circ$	$c = 3 \text{ cm}$	$c = 4 \text{ cm}$	$\alpha = 90^\circ$	$a = 8 \text{ cm}$	$a = 1 \text{ cm}$
$a = 7 \text{ cm}$	$\gamma = 75^\circ$	$b = 1 \text{ cm}$	$b = 4 \text{ cm}$	$\alpha = 30^\circ$	$\gamma = 50^\circ$
$\beta = 140^\circ$	$\alpha = 90^\circ$	$\gamma = 130^\circ$	$c = 8 \text{ cm}$	$c = 4 \text{ cm}$	$\alpha = 10^\circ$
$b = 7 \text{ cm}$	$b = 10 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 100^\circ$	$\beta = 60^\circ$	$b = 1 \text{ cm}$
$b = 8 \text{ cm}$	$b = 8 \text{ cm}$	$c = 1 \text{ cm}$	$a = 7 \text{ cm}$	$\alpha = 60^\circ$	$b = 5 \text{ cm}$

Kongruenz-Bingo (2)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$b = 3 \text{ cm}$	$\gamma = 75^\circ$	$\gamma = 40^\circ$	$b = 1 \text{ cm}$	$\alpha = 50^\circ$	$\beta = 45^\circ$
$b = 8 \text{ cm}$	$\gamma = 90^\circ$	$\beta = 30^\circ$	$\beta = 140^\circ$	$\alpha = 10^\circ$	$a = 2 \text{ cm}$
$a = 3 \text{ cm}$	$a = 8 \text{ cm}$	$b = 7 \text{ cm}$	$c = 4 \text{ cm}$	$b = 10 \text{ cm}$	$\gamma = 100^\circ$
$\alpha = 80^\circ$	$c = 6 \text{ cm}$	$\beta = 30^\circ$	$\alpha = 30^\circ$	$\beta = 120^\circ$	$a = 7 \text{ cm}$
$c = 8 \text{ cm}$	$c = 10 \text{ cm}$	$\beta = 70^\circ$	$\beta = 70^\circ$	$b = 4 \text{ cm}$	$c = 2 \text{ cm}$
$\beta = 140^\circ$	$a = 4 \text{ cm}$	$\gamma = 60^\circ$	$c = 4 \text{ cm}$	$b = 4 \text{ cm}$	$a = 6 \text{ cm}$
$c = 1 \text{ cm}$	$c = 7 \text{ cm}$	$c = 5 \text{ cm}$	$a = 2 \text{ cm}$	$\alpha = 45^\circ$	$a = 9 \text{ cm}$
$\beta = 60^\circ$	$\alpha = 10^\circ$	$\gamma = 120^\circ$	$\beta = 90^\circ$	$\gamma = 110^\circ$	$a = 10 \text{ cm}$
$b = 8 \text{ cm}$	$c = 1 \text{ cm}$	$b = 6 \text{ cm}$	$\alpha = 80^\circ$	$\gamma = 75^\circ$	$b = 7 \text{ cm}$
$\alpha = 50^\circ$	$b = 10 \text{ cm}$	$\alpha = 20^\circ$	$b = 2 \text{ cm}$	$\gamma = 50^\circ$	$\gamma = 120^\circ$
$a = 8 \text{ cm}$	$\beta = 50^\circ$	$\beta = 20^\circ$	$a = 7 \text{ cm}$	$\alpha = 90^\circ$	$\beta = 100^\circ$
$b = 2 \text{ cm}$	$c = 9 \text{ cm}$	$c = 10 \text{ cm}$	$\gamma = 40^\circ$	$\beta = 60^\circ$	$a = 4 \text{ cm}$
$a = 3 \text{ cm}$	$a = 10 \text{ cm}$	$\gamma = 130^\circ$	$\beta = 90^\circ$	$a = 1 \text{ cm}$	$\gamma = 10^\circ$
$\alpha = 140^\circ$	$a = 5 \text{ cm}$	$\alpha = 140^\circ$	$\beta = 45^\circ$	$\beta = 100^\circ$	$\alpha = 60^\circ$
$a = 9 \text{ cm}$	$a = 6 \text{ cm}$	$\alpha = 45^\circ$	$\alpha = 60^\circ$	$\beta = 50^\circ$	$\gamma = 10^\circ$
$\gamma = 130^\circ$	$\gamma = 50^\circ$	$b = 1 \text{ cm}$	$\beta = 20^\circ$	$\alpha = 20^\circ$	$b = 5 \text{ cm}$
$c = 8 \text{ cm}$	$c = 2 \text{ cm}$	$b = 9 \text{ cm}$	$\gamma = 90^\circ$	$c = 9 \text{ cm}$	$\gamma = 110^\circ$
$c = 3 \text{ cm}$	$c = 3 \text{ cm}$	$\alpha = 120^\circ$	$b = 3 \text{ cm}$	$\beta = 120^\circ$	$\alpha = 30^\circ$
$a = 5 \text{ cm}$	$\alpha = 90^\circ$	$c = 6 \text{ cm}$	$\gamma = 100^\circ$	$\gamma = 60^\circ$	$b = 9 \text{ cm}$
$b = 5 \text{ cm}$	$c = 7 \text{ cm}$	$\alpha = 120^\circ$	$a = 1 \text{ cm}$	$b = 6 \text{ cm}$	$c = 5 \text{ cm}$

Kongruenz-Bingo (3)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$b = 10 \text{ cm}$	$a = 7 \text{ cm}$	$\gamma = 100^\circ$	$b = 2 \text{ cm}$	$a = 5 \text{ cm}$	$a = 6 \text{ cm}$
$\gamma = 100^\circ$	$a = 1 \text{ cm}$	$\beta = 60^\circ$	$b = 6 \text{ cm}$	$c = 4 \text{ cm}$	$b = 9 \text{ cm}$
$\alpha = 60^\circ$	$\gamma = 120^\circ$	$\gamma = 90^\circ$	$b = 1 \text{ cm}$	$\gamma = 130^\circ$	$\gamma = 75^\circ$
$\beta = 70^\circ$	$\beta = 120^\circ$	$c = 1 \text{ cm}$	$a = 10 \text{ cm}$	$b = 7 \text{ cm}$	$\alpha = 80^\circ$
$c = 8 \text{ cm}$	$\gamma = 10^\circ$	$\beta = 70^\circ$	$a = 6 \text{ cm}$	$\beta = 30^\circ$	$\alpha = 20^\circ$
$a = 4 \text{ cm}$	$c = 4 \text{ cm}$	$c = 2 \text{ cm}$	$a = 5 \text{ cm}$	$\alpha = 140^\circ$	$b = 4 \text{ cm}$
$c = 10 \text{ cm}$	$b = 2 \text{ cm}$	$\alpha = 120^\circ$	$\gamma = 110^\circ$	$\gamma = 110^\circ$	$b = 8 \text{ cm}$
$\beta = 60^\circ$	$c = 10 \text{ cm}$	$\beta = 20^\circ$	$a = 4 \text{ cm}$	$\gamma = 90^\circ$	$\beta = 100^\circ$
$c = 5 \text{ cm}$	$\gamma = 40^\circ$	$\gamma = 60^\circ$	$c = 9 \text{ cm}$	$a = 9 \text{ cm}$	$\beta = 90^\circ$
$\alpha = 90^\circ$	$\alpha = 140^\circ$	$a = 9 \text{ cm}$	$\gamma = 50^\circ$	$\gamma = 10^\circ$	$c = 9 \text{ cm}$
$\alpha = 90^\circ$	$c = 2 \text{ cm}$	$a = 1 \text{ cm}$	$b = 9 \text{ cm}$	$\beta = 30^\circ$	$b = 3 \text{ cm}$
$c = 7 \text{ cm}$	$b = 7 \text{ cm}$	$a = 3 \text{ cm}$	$\gamma = 50^\circ$	$\alpha = 10^\circ$	$\alpha = 20^\circ$
$c = 6 \text{ cm}$	$\beta = 50^\circ$	$c = 6 \text{ cm}$	$b = 5 \text{ cm}$	$a = 10 \text{ cm}$	$\beta = 140^\circ$
$a = 7 \text{ cm}$	$c = 7 \text{ cm}$	$a = 8 \text{ cm}$	$\beta = 50^\circ$	$\alpha = 10^\circ$	$c = 3 \text{ cm}$
$b = 3 \text{ cm}$	$a = 2 \text{ cm}$	$\alpha = 30^\circ$	$\alpha = 45^\circ$	$b = 5 \text{ cm}$	$c = 1 \text{ cm}$
$\beta = 45^\circ$	$b = 10 \text{ cm}$	$\alpha = 80^\circ$	$\beta = 90^\circ$	$\gamma = 60^\circ$	$\beta = 20^\circ$
$\alpha = 50^\circ$	$\gamma = 40^\circ$	$\alpha = 30^\circ$	$c = 5 \text{ cm}$	$\alpha = 60^\circ$	$\beta = 100^\circ$
$\beta = 120^\circ$	$\alpha = 120^\circ$	$\beta = 140^\circ$	$a = 2 \text{ cm}$	$\gamma = 120^\circ$	$a = 3 \text{ cm}$
$\gamma = 130^\circ$	$b = 8 \text{ cm}$	$\alpha = 45^\circ$	$\alpha = 50^\circ$	$\beta = 45^\circ$	$\gamma = 75^\circ$
$b = 6 \text{ cm}$	$b = 1 \text{ cm}$	$a = 8 \text{ cm}$	$b = 4 \text{ cm}$	$c = 3 \text{ cm}$	$c = 8 \text{ cm}$

Kongruenz-Bingo (4)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\alpha = 120^\circ$	$a = 4 \text{ cm}$	$\alpha = 140^\circ$	$\beta = 50^\circ$	$\gamma = 75^\circ$	$c = 8 \text{ cm}$
$b = 7 \text{ cm}$	$\gamma = 10^\circ$	$c = 6 \text{ cm}$	$c = 1 \text{ cm}$	$\gamma = 100^\circ$	$\alpha = 30^\circ$
$\gamma = 40^\circ$	$\alpha = 45^\circ$	$\alpha = 10^\circ$	$a = 7 \text{ cm}$	$\gamma = 90^\circ$	$a = 1 \text{ cm}$
$\gamma = 100^\circ$	$\gamma = 50^\circ$	$\beta = 70^\circ$	$\alpha = 45^\circ$	$\beta = 70^\circ$	$\beta = 30^\circ$
$b = 2 \text{ cm}$	$a = 10 \text{ cm}$	$\alpha = 90^\circ$	$\beta = 140^\circ$	$\alpha = 80^\circ$	$a = 3 \text{ cm}$
$\alpha = 50^\circ$	$\alpha = 20^\circ$	$\beta = 45^\circ$	$\beta = 140^\circ$	$b = 4 \text{ cm}$	$b = 6 \text{ cm}$
$a = 5 \text{ cm}$	$b = 9 \text{ cm}$	$c = 3 \text{ cm}$	$b = 3 \text{ cm}$	$\gamma = 110^\circ$	$\beta = 120^\circ$
$b = 6 \text{ cm}$	$\gamma = 90^\circ$	$b = 8 \text{ cm}$	$c = 8 \text{ cm}$	$\alpha = 50^\circ$	$b = 8 \text{ cm}$
$c = 1 \text{ cm}$	$c = 10 \text{ cm}$	$\beta = 45^\circ$	$b = 9 \text{ cm}$	$a = 2 \text{ cm}$	$a = 9 \text{ cm}$
$c = 4 \text{ cm}$	$c = 9 \text{ cm}$	$\alpha = 80^\circ$	$b = 3 \text{ cm}$	$\gamma = 10^\circ$	$\beta = 30^\circ$
$\beta = 90^\circ$	$c = 7 \text{ cm}$	$c = 3 \text{ cm}$	$c = 5 \text{ cm}$	$a = 8 \text{ cm}$	$\gamma = 110^\circ$
$b = 5 \text{ cm}$	$a = 3 \text{ cm}$	$\beta = 90^\circ$	$\alpha = 60^\circ$	$\beta = 20^\circ$	$\beta = 60^\circ$
$\gamma = 40^\circ$	$b = 2 \text{ cm}$	$b = 1 \text{ cm}$	$c = 6 \text{ cm}$	$b = 1 \text{ cm}$	$a = 6 \text{ cm}$
$c = 5 \text{ cm}$	$\gamma = 130^\circ$	$a = 4 \text{ cm}$	$\beta = 20^\circ$	$\gamma = 50^\circ$	$c = 2 \text{ cm}$
$\alpha = 10^\circ$	$c = 4 \text{ cm}$	$\beta = 100^\circ$	$a = 2 \text{ cm}$	$\alpha = 140^\circ$	$\gamma = 60^\circ$
$\beta = 100^\circ$	$b = 5 \text{ cm}$	$\gamma = 120^\circ$	$b = 10 \text{ cm}$	$\gamma = 60^\circ$	$b = 10 \text{ cm}$
$\gamma = 75^\circ$	$\gamma = 120^\circ$	$\beta = 120^\circ$	$\beta = 60^\circ$	$c = 9 \text{ cm}$	$a = 5 \text{ cm}$
$a = 10 \text{ cm}$	$\alpha = 20^\circ$	$\beta = 50^\circ$	$a = 1 \text{ cm}$	$c = 7 \text{ cm}$	$a = 8 \text{ cm}$
$\alpha = 120^\circ$	$b = 7 \text{ cm}$	$\alpha = 60^\circ$	$\alpha = 30^\circ$	$\alpha = 90^\circ$	$b = 4 \text{ cm}$
$c = 10 \text{ cm}$	$a = 7 \text{ cm}$	$a = 9 \text{ cm}$	$a = 6 \text{ cm}$	$c = 2 \text{ cm}$	$\gamma = 130^\circ$

Kongruenz-Bingo (5)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$a = 3 \text{ cm}$	$b = 5 \text{ cm}$	$\gamma = 100^\circ$	$\beta = 45^\circ$	$b = 2 \text{ cm}$	$c = 4 \text{ cm}$
$a = 6 \text{ cm}$	$\gamma = 40^\circ$	$\alpha = 45^\circ$	$\beta = 30^\circ$	$c = 7 \text{ cm}$	$a = 10 \text{ cm}$
$\gamma = 90^\circ$	$b = 9 \text{ cm}$	$a = 3 \text{ cm}$	$\alpha = 20^\circ$	$\gamma = 10^\circ$	$c = 7 \text{ cm}$
$\beta = 45^\circ$	$\alpha = 80^\circ$	$a = 7 \text{ cm}$	$c = 3 \text{ cm}$	$a = 8 \text{ cm}$	$\gamma = 60^\circ$
$b = 2 \text{ cm}$	$\beta = 60^\circ$	$a = 5 \text{ cm}$	$\gamma = 100^\circ$	$a = 2 \text{ cm}$	$\alpha = 45^\circ$
$\beta = 50^\circ$	$\alpha = 140^\circ$	$\beta = 120^\circ$	$b = 10 \text{ cm}$	$c = 1 \text{ cm}$	$\alpha = 10^\circ$
$a = 7 \text{ cm}$	$\alpha = 30^\circ$	$\beta = 70^\circ$	$\beta = 90^\circ$	$c = 10 \text{ cm}$	$c = 8 \text{ cm}$
$b = 10 \text{ cm}$	$\gamma = 110^\circ$	$a = 4 \text{ cm}$	$\gamma = 10^\circ$	$\gamma = 120^\circ$	$a = 2 \text{ cm}$
$\gamma = 120^\circ$	$c = 6 \text{ cm}$	$b = 4 \text{ cm}$	$b = 6 \text{ cm}$	$\beta = 100^\circ$	$c = 6 \text{ cm}$
$\gamma = 110^\circ$	$\alpha = 60^\circ$	$\gamma = 50^\circ$	$a = 5 \text{ cm}$	$\alpha = 60^\circ$	$\beta = 100^\circ$
$b = 3 \text{ cm}$	$\gamma = 40^\circ$	$b = 1 \text{ cm}$	$c = 5 \text{ cm}$	$c = 3 \text{ cm}$	$c = 9 \text{ cm}$
$\beta = 120^\circ$	$a = 4 \text{ cm}$	$c = 2 \text{ cm}$	$c = 8 \text{ cm}$	$c = 10 \text{ cm}$	$b = 7 \text{ cm}$
$a = 1 \text{ cm}$	$c = 9 \text{ cm}$	$\gamma = 60^\circ$	$\alpha = 30^\circ$	$\gamma = 130^\circ$	$b = 8 \text{ cm}$
$b = 1 \text{ cm}$	$c = 2 \text{ cm}$	$\alpha = 50^\circ$	$\alpha = 90^\circ$	$\alpha = 120^\circ$	$b = 8 \text{ cm}$
$b = 6 \text{ cm}$	$\beta = 70^\circ$	$b = 5 \text{ cm}$	$a = 1 \text{ cm}$	$\gamma = 90^\circ$	$\beta = 90^\circ$
$\beta = 30^\circ$	$\beta = 140^\circ$	$\beta = 50^\circ$	$c = 1 \text{ cm}$	$\gamma = 75^\circ$	$a = 10 \text{ cm}$
$\gamma = 50^\circ$	$\alpha = 140^\circ$	$a = 8 \text{ cm}$	$b = 7 \text{ cm}$	$\alpha = 20^\circ$	$\alpha = 10^\circ$
$a = 6 \text{ cm}$	$b = 4 \text{ cm}$	$a = 9 \text{ cm}$	$\beta = 20^\circ$	$\alpha = 50^\circ$	$\beta = 60^\circ$
$\alpha = 120^\circ$	$\beta = 20^\circ$	$b = 9 \text{ cm}$	$\gamma = 75^\circ$	$\alpha = 90^\circ$	$\beta = 140^\circ$
$a = 9 \text{ cm}$	$c = 4 \text{ cm}$	$b = 3 \text{ cm}$	$\alpha = 80^\circ$	$c = 5 \text{ cm}$	$\gamma = 130^\circ$

Kongruenz-Bingo (6)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$c = 9 \text{ cm}$	$a = 3 \text{ cm}$	$a = 1 \text{ cm}$	$\beta = 30^\circ$	$c = 6 \text{ cm}$	$b = 2 \text{ cm}$
$\gamma = 50^\circ$	$b = 7 \text{ cm}$	$\gamma = 110^\circ$	$\alpha = 60^\circ$	$\beta = 60^\circ$	$\gamma = 40^\circ$
$b = 3 \text{ cm}$	$\gamma = 60^\circ$	$a = 7 \text{ cm}$	$\alpha = 10^\circ$	$c = 10 \text{ cm}$	$a = 5 \text{ cm}$
$\gamma = 120^\circ$	$\alpha = 120^\circ$	$\alpha = 30^\circ$	$a = 3 \text{ cm}$	$b = 6 \text{ cm}$	$\beta = 70^\circ$
$a = 9 \text{ cm}$	$b = 5 \text{ cm}$	$\alpha = 30^\circ$	$c = 1 \text{ cm}$	$c = 3 \text{ cm}$	$b = 9 \text{ cm}$
$\beta = 100^\circ$	$c = 7 \text{ cm}$	$\alpha = 50^\circ$	$\beta = 90^\circ$	$\beta = 20^\circ$	$b = 6 \text{ cm}$
$\gamma = 130^\circ$	$\alpha = 140^\circ$	$c = 8 \text{ cm}$	$\alpha = 45^\circ$	$\gamma = 120^\circ$	$c = 4 \text{ cm}$
$c = 4 \text{ cm}$	$a = 5 \text{ cm}$	$\gamma = 130^\circ$	$\alpha = 80^\circ$	$a = 8 \text{ cm}$	$c = 8 \text{ cm}$
$a = 1 \text{ cm}$	$c = 7 \text{ cm}$	$\beta = 50^\circ$	$\alpha = 120^\circ$	$b = 10 \text{ cm}$	$\gamma = 50^\circ$
$\alpha = 45^\circ$	$c = 1 \text{ cm}$	$b = 8 \text{ cm}$	$b = 5 \text{ cm}$	$\alpha = 20^\circ$	$\alpha = 90^\circ$
$c = 2 \text{ cm}$	$\gamma = 100^\circ$	$\gamma = 10^\circ$	$\beta = 45^\circ$	$b = 1 \text{ cm}$	$\beta = 45^\circ$
$b = 1 \text{ cm}$	$c = 2 \text{ cm}$	$a = 4 \text{ cm}$	$\gamma = 90^\circ$	$\beta = 20^\circ$	$\beta = 120^\circ$
$c = 5 \text{ cm}$	$c = 6 \text{ cm}$	$\gamma = 100^\circ$	$a = 2 \text{ cm}$	$\gamma = 60^\circ$	$\gamma = 40^\circ$
$\gamma = 110^\circ$	$b = 2 \text{ cm}$	$a = 2 \text{ cm}$	$b = 3 \text{ cm}$	$a = 4 \text{ cm}$	$\beta = 60^\circ$
$a = 10 \text{ cm}$	$b = 9 \text{ cm}$	$b = 7 \text{ cm}$	$c = 3 \text{ cm}$	$\beta = 70^\circ$	$a = 8 \text{ cm}$
$a = 7 \text{ cm}$	$b = 4 \text{ cm}$	$b = 4 \text{ cm}$	$c = 10 \text{ cm}$	$b = 8 \text{ cm}$	$\gamma = 75^\circ$
$\gamma = 75^\circ$	$c = 5 \text{ cm}$	$\alpha = 10^\circ$	$\alpha = 60^\circ$	$\gamma = 10^\circ$	$\alpha = 20^\circ$
$\beta = 120^\circ$	$a = 10 \text{ cm}$	$\beta = 30^\circ$	$b = 10 \text{ cm}$	$\alpha = 90^\circ$	$\alpha = 50^\circ$
$\beta = 50^\circ$	$a = 6 \text{ cm}$	$\beta = 100^\circ$	$a = 6 \text{ cm}$	$c = 9 \text{ cm}$	$\beta = 90^\circ$
$\alpha = 140^\circ$	$\beta = 140^\circ$	$\gamma = 90^\circ$	$\beta = 140^\circ$	$\alpha = 80^\circ$	$a = 9 \text{ cm}$

Kongruenz-Bingo (7)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$a = 8 \text{ cm}$	$\beta = 140^\circ$	$a = 7 \text{ cm}$	$a = 4 \text{ cm}$	$b = 3 \text{ cm}$	$\alpha = 45^\circ$
$c = 10 \text{ cm}$	$\alpha = 80^\circ$	$\gamma = 120^\circ$	$\alpha = 80^\circ$	$\beta = 120^\circ$	$\beta = 100^\circ$
$c = 9 \text{ cm}$	$\alpha = 50^\circ$	$\beta = 60^\circ$	$c = 7 \text{ cm}$	$\alpha = 50^\circ$	$\gamma = 60^\circ$
$\beta = 45^\circ$	$b = 9 \text{ cm}$	$b = 4 \text{ cm}$	$\beta = 20^\circ$	$\alpha = 45^\circ$	$\alpha = 20^\circ$
$\beta = 50^\circ$	$b = 8 \text{ cm}$	$\gamma = 60^\circ$	$c = 10 \text{ cm}$	$c = 7 \text{ cm}$	$\beta = 30^\circ$
$c = 9 \text{ cm}$	$\gamma = 130^\circ$	$a = 3 \text{ cm}$	$c = 1 \text{ cm}$	$b = 7 \text{ cm}$	$c = 5 \text{ cm}$
$\gamma = 75^\circ$	$b = 1 \text{ cm}$	$\gamma = 90^\circ$	$a = 3 \text{ cm}$	$\alpha = 10^\circ$	$b = 3 \text{ cm}$
$a = 8 \text{ cm}$	$b = 5 \text{ cm}$	$\beta = 70^\circ$	$c = 8 \text{ cm}$	$c = 2 \text{ cm}$	$\gamma = 50^\circ$
$\alpha = 140^\circ$	$a = 6 \text{ cm}$	$\beta = 30^\circ$	$a = 7 \text{ cm}$	$\gamma = 90^\circ$	$\alpha = 90^\circ$
$a = 2 \text{ cm}$	$a = 9 \text{ cm}$	$\beta = 100^\circ$	$b = 8 \text{ cm}$	$b = 10 \text{ cm}$	$\beta = 90^\circ$
$a = 4 \text{ cm}$	$\alpha = 120^\circ$	$\gamma = 110^\circ$	$\beta = 50^\circ$	$\beta = 140^\circ$	$c = 3 \text{ cm}$
$\gamma = 40^\circ$	$\gamma = 10^\circ$	$b = 6 \text{ cm}$	$c = 6 \text{ cm}$	$\beta = 60^\circ$	$\gamma = 75^\circ$
$\beta = 120^\circ$	$c = 8 \text{ cm}$	$\beta = 45^\circ$	$\alpha = 90^\circ$	$\beta = 90^\circ$	$\gamma = 130^\circ$
$c = 5 \text{ cm}$	$\alpha = 140^\circ$	$\alpha = 30^\circ$	$a = 1 \text{ cm}$	$a = 10 \text{ cm}$	$c = 2 \text{ cm}$
$\gamma = 110^\circ$	$\gamma = 100^\circ$	$\alpha = 30^\circ$	$a = 1 \text{ cm}$	$a = 10 \text{ cm}$	$\alpha = 10^\circ$
$\gamma = 40^\circ$	$b = 7 \text{ cm}$	$b = 6 \text{ cm}$	$a = 9 \text{ cm}$	$\alpha = 60^\circ$	$c = 4 \text{ cm}$
$\alpha = 20^\circ$	$\alpha = 60^\circ$	$c = 3 \text{ cm}$	$c = 4 \text{ cm}$	$b = 9 \text{ cm}$	$a = 5 \text{ cm}$
$\alpha = 120^\circ$	$b = 1 \text{ cm}$	$b = 10 \text{ cm}$	$\gamma = 10^\circ$	$a = 5 \text{ cm}$	$c = 6 \text{ cm}$
$c = 1 \text{ cm}$	$a = 6 \text{ cm}$	$\gamma = 100^\circ$	$b = 4 \text{ cm}$	$\beta = 20^\circ$	$b = 2 \text{ cm}$
$\gamma = 120^\circ$	$\beta = 70^\circ$	$b = 5 \text{ cm}$	$\gamma = 50^\circ$	$b = 2 \text{ cm}$	$a = 2 \text{ cm}$

Kongruenz-Bingo (8)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\beta = 20^\circ$	$\beta = 30^\circ$	$\beta = 30^\circ$	$\gamma = 75^\circ$	$c = 10 \text{ cm}$	$c = 2 \text{ cm}$
$\gamma = 50^\circ$	$c = 1 \text{ cm}$	$\beta = 50^\circ$	$\alpha = 45^\circ$	$a = 3 \text{ cm}$	$\gamma = 90^\circ$
$b = 5 \text{ cm}$	$\beta = 120^\circ$	$c = 3 \text{ cm}$	$\gamma = 10^\circ$	$a = 9 \text{ cm}$	$\alpha = 80^\circ$
$b = 4 \text{ cm}$	$\gamma = 130^\circ$	$b = 1 \text{ cm}$	$\alpha = 50^\circ$	$a = 1 \text{ cm}$	$\beta = 90^\circ$
$\alpha = 80^\circ$	$\alpha = 30^\circ$	$\beta = 100^\circ$	$\beta = 50^\circ$	$b = 3 \text{ cm}$	$a = 10 \text{ cm}$
$\alpha = 60^\circ$	$\gamma = 100^\circ$	$\gamma = 40^\circ$	$a = 1 \text{ cm}$	$b = 8 \text{ cm}$	$a = 4 \text{ cm}$
$b = 1 \text{ cm}$	$c = 6 \text{ cm}$	$b = 7 \text{ cm}$	$\beta = 120^\circ$	$\alpha = 60^\circ$	$b = 6 \text{ cm}$
$b = 4 \text{ cm}$	$\beta = 60^\circ$	$c = 6 \text{ cm}$	$c = 3 \text{ cm}$	$c = 7 \text{ cm}$	$a = 8 \text{ cm}$
$a = 6 \text{ cm}$	$a = 5 \text{ cm}$	$c = 4 \text{ cm}$	$c = 9 \text{ cm}$	$\alpha = 20^\circ$	$b = 10 \text{ cm}$
$c = 1 \text{ cm}$	$\alpha = 90^\circ$	$\gamma = 110^\circ$	$a = 3 \text{ cm}$	$b = 3 \text{ cm}$	$\gamma = 60^\circ$
$c = 7 \text{ cm}$	$b = 2 \text{ cm}$	$b = 9 \text{ cm}$	$b = 7 \text{ cm}$	$\beta = 140^\circ$	$c = 8 \text{ cm}$
$\gamma = 120^\circ$	$\gamma = 130^\circ$	$c = 8 \text{ cm}$	$b = 9 \text{ cm}$	$\beta = 140^\circ$	$\alpha = 45^\circ$
$\gamma = 60^\circ$	$a = 8 \text{ cm}$	$\alpha = 120^\circ$	$b = 6 \text{ cm}$	$\gamma = 100^\circ$	$\gamma = 40^\circ$
$a = 5 \text{ cm}$	$\gamma = 10^\circ$	$a = 6 \text{ cm}$	$\beta = 20^\circ$	$\alpha = 140^\circ$	$b = 5 \text{ cm}$
$\alpha = 10^\circ$	$\gamma = 110^\circ$	$a = 10 \text{ cm}$	$\alpha = 10^\circ$	$\beta = 90^\circ$	$\beta = 70^\circ$
$b = 10 \text{ cm}$	$c = 9 \text{ cm}$	$c = 2 \text{ cm}$	$\gamma = 90^\circ$	$\alpha = 30^\circ$	$\gamma = 120^\circ$
$\gamma = 75^\circ$	$\beta = 100^\circ$	$\beta = 45^\circ$	$c = 4 \text{ cm}$	$a = 4 \text{ cm}$	$c = 10 \text{ cm}$
$\beta = 70^\circ$	$b = 8 \text{ cm}$	$\alpha = 50^\circ$	$\beta = 60^\circ$	$a = 2 \text{ cm}$	$b = 2 \text{ cm}$
$\alpha = 140^\circ$	$\beta = 45^\circ$	$\gamma = 50^\circ$	$a = 7 \text{ cm}$	$\alpha = 20^\circ$	$c = 5 \text{ cm}$
$a = 7 \text{ cm}$	$\alpha = 90^\circ$	$c = 5 \text{ cm}$	$a = 2 \text{ cm}$	$a = 9 \text{ cm}$	$\alpha = 120^\circ$

Kongruenz-Bingo (9)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$b = 2 \text{ cm}$	$a = 6 \text{ cm}$	$\alpha = 50^\circ$	$\gamma = 120^\circ$	$a = 5 \text{ cm}$	$b = 7 \text{ cm}$
$c = 2 \text{ cm}$	$\alpha = 80^\circ$	$a = 4 \text{ cm}$	$\gamma = 10^\circ$	$b = 10 \text{ cm}$	$\alpha = 60^\circ$
$c = 5 \text{ cm}$	$\gamma = 10^\circ$	$b = 7 \text{ cm}$	$\beta = 20^\circ$	$\beta = 45^\circ$	$\gamma = 60^\circ$
$\gamma = 50^\circ$	$a = 7 \text{ cm}$	$a = 8 \text{ cm}$	$\gamma = 40^\circ$	$\beta = 60^\circ$	$\beta = 30^\circ$
$\alpha = 20^\circ$	$\beta = 70^\circ$	$b = 3 \text{ cm}$	$b = 9 \text{ cm}$	$b = 1 \text{ cm}$	$\alpha = 120^\circ$
$\gamma = 90^\circ$	$\alpha = 10^\circ$	$c = 3 \text{ cm}$	$b = 6 \text{ cm}$	$\beta = 100^\circ$	$c = 10 \text{ cm}$
$\gamma = 60^\circ$	$b = 4 \text{ cm}$	$\alpha = 30^\circ$	$\gamma = 100^\circ$	$c = 9 \text{ cm}$	$a = 2 \text{ cm}$
$\gamma = 100^\circ$	$b = 4 \text{ cm}$	$a = 2 \text{ cm}$	$\gamma = 130^\circ$	$\gamma = 90^\circ$	$\alpha = 45^\circ$
$b = 1 \text{ cm}$	$\beta = 50^\circ$	$b = 9 \text{ cm}$	$\beta = 90^\circ$	$\beta = 100^\circ$	$\beta = 70^\circ$
$a = 7 \text{ cm}$	$\alpha = 20^\circ$	$c = 8 \text{ cm}$	$c = 6 \text{ cm}$	$a = 9 \text{ cm}$	$c = 7 \text{ cm}$
$\gamma = 40^\circ$	$\gamma = 75^\circ$	$a = 5 \text{ cm}$	$a = 3 \text{ cm}$	$\beta = 140^\circ$	$\beta = 45^\circ$
$c = 3 \text{ cm}$	$b = 8 \text{ cm}$	$a = 10 \text{ cm}$	$\alpha = 140^\circ$	$c = 4 \text{ cm}$	$b = 8 \text{ cm}$
$c = 2 \text{ cm}$	$\gamma = 110^\circ$	$a = 3 \text{ cm}$	$b = 5 \text{ cm}$	$\alpha = 120^\circ$	$\alpha = 60^\circ$
$\beta = 20^\circ$	$\beta = 50^\circ$	$a = 1 \text{ cm}$	$\gamma = 50^\circ$	$b = 5 \text{ cm}$	$c = 1 \text{ cm}$
$a = 8 \text{ cm}$	$c = 9 \text{ cm}$	$a = 10 \text{ cm}$	$\alpha = 90^\circ$	$\beta = 30^\circ$	$b = 3 \text{ cm}$
$c = 7 \text{ cm}$	$\gamma = 75^\circ$	$c = 10 \text{ cm}$	$a = 9 \text{ cm}$	$\alpha = 50^\circ$	$\gamma = 110^\circ$
$\alpha = 80^\circ$	$\alpha = 90^\circ$	$c = 4 \text{ cm}$	$\gamma = 130^\circ$	$\beta = 140^\circ$	$\alpha = 45^\circ$
$\alpha = 10^\circ$	$a = 1 \text{ cm}$	$\beta = 90^\circ$	$b = 10 \text{ cm}$	$b = 6 \text{ cm}$	$\alpha = 140^\circ$
$b = 2 \text{ cm}$	$a = 4 \text{ cm}$	$\alpha = 30^\circ$	$\beta = 120^\circ$	$c = 1 \text{ cm}$	$c = 6 \text{ cm}$
$c = 5 \text{ cm}$	$c = 8 \text{ cm}$	$\beta = 60^\circ$	$a = 6 \text{ cm}$	$\beta = 120^\circ$	$\gamma = 120^\circ$

Kongruenz-Bingo (10)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\alpha = 80^\circ$	$\alpha = 80^\circ$	$\beta = 60^\circ$	$b = 10 \text{ cm}$	$\alpha = 45^\circ$	$b = 6 \text{ cm}$
$\gamma = 75^\circ$	$a = 3 \text{ cm}$	$b = 4 \text{ cm}$	$c = 3 \text{ cm}$	$\beta = 30^\circ$	$\alpha = 45^\circ$
$\gamma = 90^\circ$	$\gamma = 40^\circ$	$b = 9 \text{ cm}$	$a = 5 \text{ cm}$	$\beta = 120^\circ$	$c = 1 \text{ cm}$
$a = 2 \text{ cm}$	$\gamma = 110^\circ$	$\alpha = 50^\circ$	$c = 2 \text{ cm}$	$c = 7 \text{ cm}$	$\alpha = 10^\circ$
$\gamma = 40^\circ$	$\alpha = 30^\circ$	$a = 4 \text{ cm}$	$b = 6 \text{ cm}$	$c = 4 \text{ cm}$	$b = 3 \text{ cm}$
$\gamma = 120^\circ$	$\gamma = 60^\circ$	$\alpha = 10^\circ$	$a = 7 \text{ cm}$	$b = 4 \text{ cm}$	$\beta = 45^\circ$
$\gamma = 100^\circ$	$b = 7 \text{ cm}$	$\alpha = 50^\circ$	$a = 9 \text{ cm}$	$\alpha = 120^\circ$	$c = 8 \text{ cm}$
$a = 9 \text{ cm}$	$\gamma = 100^\circ$	$a = 6 \text{ cm}$	$c = 3 \text{ cm}$	$a = 1 \text{ cm}$	$\alpha = 90^\circ$
$\gamma = 130^\circ$	$b = 9 \text{ cm}$	$\beta = 140^\circ$	$\beta = 50^\circ$	$\gamma = 110^\circ$	$b = 2 \text{ cm}$
$\beta = 70^\circ$	$c = 5 \text{ cm}$	$c = 10 \text{ cm}$	$a = 10 \text{ cm}$	$\beta = 120^\circ$	$b = 5 \text{ cm}$
$a = 4 \text{ cm}$	$c = 1 \text{ cm}$	$\alpha = 120^\circ$	$b = 1 \text{ cm}$	$\beta = 90^\circ$	$a = 5 \text{ cm}$
$b = 1 \text{ cm}$	$c = 2 \text{ cm}$	$b = 10 \text{ cm}$	$\gamma = 75^\circ$	$b = 2 \text{ cm}$	$c = 5 \text{ cm}$
$b = 3 \text{ cm}$	$\beta = 100^\circ$	$a = 8 \text{ cm}$	$\beta = 90^\circ$	$a = 10 \text{ cm}$	$\gamma = 50^\circ$
$\alpha = 20^\circ$	$\gamma = 10^\circ$	$a = 6 \text{ cm}$	$\gamma = 120^\circ$	$\beta = 100^\circ$	$\beta = 140^\circ$
$\beta = 70^\circ$	$a = 2 \text{ cm}$	$\alpha = 140^\circ$	$\beta = 20^\circ$	$\beta = 20^\circ$	$a = 1 \text{ cm}$
$\beta = 60^\circ$	$c = 9 \text{ cm}$	$b = 8 \text{ cm}$	$c = 9 \text{ cm}$	$a = 3 \text{ cm}$	$\alpha = 60^\circ$
$a = 8 \text{ cm}$	$c = 8 \text{ cm}$	$\gamma = 50^\circ$	$c = 6 \text{ cm}$	$\alpha = 140^\circ$	$c = 4 \text{ cm}$
$\beta = 50^\circ$	$c = 6 \text{ cm}$	$\beta = 45^\circ$	$\alpha = 60^\circ$	$\gamma = 130^\circ$	$\gamma = 90^\circ$
$\beta = 30^\circ$	$\gamma = 10^\circ$	$b = 8 \text{ cm}$	$\alpha = 30^\circ$	$c = 7 \text{ cm}$	$\gamma = 60^\circ$
$b = 7 \text{ cm}$	$b = 5 \text{ cm}$	$\alpha = 90^\circ$	$a = 7 \text{ cm}$	$\alpha = 20^\circ$	$c = 10 \text{ cm}$

Kongruenz-Bingo (11)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\alpha = 140^\circ$	$\gamma = 110^\circ$	$\alpha = 20^\circ$	$\gamma = 10^\circ$	$\alpha = 45^\circ$	$\beta = 100^\circ$
$\gamma = 10^\circ$	$b = 1 \text{ cm}$	$\alpha = 80^\circ$	$\gamma = 75^\circ$	$\gamma = 90^\circ$	$b = 5 \text{ cm}$
$\gamma = 50^\circ$	$\alpha = 50^\circ$	$\alpha = 60^\circ$	$c = 7 \text{ cm}$	$a = 6 \text{ cm}$	$\gamma = 130^\circ$
$\alpha = 90^\circ$	$a = 4 \text{ cm}$	$\alpha = 120^\circ$	$\beta = 45^\circ$	$\gamma = 40^\circ$	$\beta = 20^\circ$
$b = 10 \text{ cm}$	$\beta = 120^\circ$	$b = 4 \text{ cm}$	$\alpha = 90^\circ$	$\beta = 60^\circ$	$c = 10 \text{ cm}$
$\beta = 60^\circ$	$b = 3 \text{ cm}$	$\beta = 120^\circ$	$c = 4 \text{ cm}$	$\alpha = 120^\circ$	$a = 8 \text{ cm}$
$\gamma = 60^\circ$	$a = 6 \text{ cm}$	$\beta = 50^\circ$	$\alpha = 80^\circ$	$a = 10 \text{ cm}$	$c = 9 \text{ cm}$
$\gamma = 100^\circ$	$a = 8 \text{ cm}$	$b = 2 \text{ cm}$	$a = 7 \text{ cm}$	$c = 5 \text{ cm}$	$\gamma = 60^\circ$
$c = 6 \text{ cm}$	$a = 3 \text{ cm}$	$\gamma = 110^\circ$	$\gamma = 120^\circ$	$a = 2 \text{ cm}$	$a = 9 \text{ cm}$
$b = 8 \text{ cm}$	$\gamma = 40^\circ$	$b = 8 \text{ cm}$	$a = 5 \text{ cm}$	$c = 4 \text{ cm}$	$b = 4 \text{ cm}$
$b = 10 \text{ cm}$	$a = 7 \text{ cm}$	$a = 3 \text{ cm}$	$\alpha = 45^\circ$	$\gamma = 100^\circ$	$b = 9 \text{ cm}$
$\gamma = 50^\circ$	$\alpha = 50^\circ$	$\beta = 90^\circ$	$\beta = 45^\circ$	$c = 2 \text{ cm}$	$a = 1 \text{ cm}$
$c = 3 \text{ cm}$	$b = 2 \text{ cm}$	$c = 1 \text{ cm}$	$b = 3 \text{ cm}$	$b = 9 \text{ cm}$	$c = 1 \text{ cm}$
$b = 1 \text{ cm}$	$\alpha = 10^\circ$	$\gamma = 90^\circ$	$\beta = 90^\circ$	$\beta = 30^\circ$	$\beta = 140^\circ$
$a = 4 \text{ cm}$	$\alpha = 60^\circ$	$\beta = 70^\circ$	$c = 10 \text{ cm}$	$c = 3 \text{ cm}$	$\beta = 20^\circ$
$\beta = 100^\circ$	$a = 1 \text{ cm}$	$\beta = 70^\circ$	$\beta = 140^\circ$	$\gamma = 120^\circ$	$b = 5 \text{ cm}$
$c = 8 \text{ cm}$	$\gamma = 75^\circ$	$a = 9 \text{ cm}$	$\alpha = 30^\circ$	$b = 6 \text{ cm}$	$a = 10 \text{ cm}$
$\alpha = 140^\circ$	$\alpha = 30^\circ$	$b = 7 \text{ cm}$	$\alpha = 10^\circ$	$c = 8 \text{ cm}$	$c = 7 \text{ cm}$
$\beta = 30^\circ$	$c = 9 \text{ cm}$	$a = 5 \text{ cm}$	$b = 6 \text{ cm}$	$\alpha = 20^\circ$	$b = 7 \text{ cm}$
$c = 6 \text{ cm}$	$a = 2 \text{ cm}$	$c = 2 \text{ cm}$	$c = 5 \text{ cm}$	$\gamma = 130^\circ$	$\beta = 50^\circ$

Kongruenz-Bingo (12)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$c = 1 \text{ cm}$	$\gamma = 90^\circ$	$\beta = 60^\circ$	$\gamma = 110^\circ$	$b = 6 \text{ cm}$	$\gamma = 100^\circ$
$\gamma = 60^\circ$	$b = 9 \text{ cm}$	$b = 2 \text{ cm}$	$\alpha = 50^\circ$	$a = 3 \text{ cm}$	$a = 7 \text{ cm}$
$a = 3 \text{ cm}$	$\beta = 60^\circ$	$c = 9 \text{ cm}$	$\alpha = 60^\circ$	$\beta = 45^\circ$	$\gamma = 40^\circ$
$b = 5 \text{ cm}$	$c = 3 \text{ cm}$	$\alpha = 10^\circ$	$c = 8 \text{ cm}$	$\gamma = 110^\circ$	$\beta = 140^\circ$
$a = 2 \text{ cm}$	$b = 2 \text{ cm}$	$b = 4 \text{ cm}$	$\gamma = 60^\circ$	$c = 7 \text{ cm}$	$b = 8 \text{ cm}$
$\beta = 50^\circ$	$c = 3 \text{ cm}$	$a = 1 \text{ cm}$	$b = 4 \text{ cm}$	$\alpha = 10^\circ$	$\beta = 100^\circ$
$\gamma = 120^\circ$	$c = 10 \text{ cm}$	$\alpha = 140^\circ$	$c = 4 \text{ cm}$	$c = 1 \text{ cm}$	$c = 6 \text{ cm}$
$b = 6 \text{ cm}$	$\beta = 120^\circ$	$c = 9 \text{ cm}$	$\beta = 140^\circ$	$\alpha = 30^\circ$	$b = 1 \text{ cm}$
$b = 9 \text{ cm}$	$\beta = 50^\circ$	$\gamma = 120^\circ$	$\alpha = 60^\circ$	$b = 3 \text{ cm}$	$\alpha = 90^\circ$
$\gamma = 75^\circ$	$b = 10 \text{ cm}$	$\alpha = 80^\circ$	$a = 9 \text{ cm}$	$b = 3 \text{ cm}$	$c = 5 \text{ cm}$
$c = 10 \text{ cm}$	$b = 7 \text{ cm}$	$\alpha = 20^\circ$	$\beta = 70^\circ$	$\alpha = 30^\circ$	$c = 5 \text{ cm}$
$\beta = 20^\circ$	$a = 8 \text{ cm}$	$b = 1 \text{ cm}$	$\gamma = 50^\circ$	$a = 10 \text{ cm}$	$a = 6 \text{ cm}$
$a = 2 \text{ cm}$	$a = 4 \text{ cm}$	$\beta = 20^\circ$	$\gamma = 130^\circ$	$c = 8 \text{ cm}$	$a = 6 \text{ cm}$
$\gamma = 75^\circ$	$\alpha = 140^\circ$	$a = 7 \text{ cm}$	$\beta = 120^\circ$	$\beta = 90^\circ$	$\alpha = 90^\circ$
$\beta = 45^\circ$	$\beta = 30^\circ$	$\gamma = 130^\circ$	$a = 1 \text{ cm}$	$c = 6 \text{ cm}$	$\gamma = 100^\circ$
$\beta = 70^\circ$	$\alpha = 120^\circ$	$a = 5 \text{ cm}$	$b = 5 \text{ cm}$	$a = 8 \text{ cm}$	$\alpha = 80^\circ$
$\gamma = 40^\circ$	$\gamma = 10^\circ$	$\alpha = 120^\circ$	$b = 7 \text{ cm}$	$a = 10 \text{ cm}$	$a = 9 \text{ cm}$
$\alpha = 50^\circ$	$\beta = 30^\circ$	$c = 4 \text{ cm}$	$c = 7 \text{ cm}$	$a = 5 \text{ cm}$	$\beta = 100^\circ$
$c = 2 \text{ cm}$	$\alpha = 45^\circ$	$\alpha = 20^\circ$	$\alpha = 45^\circ$	$\gamma = 50^\circ$	$b = 8 \text{ cm}$
$a = 4 \text{ cm}$	$b = 10 \text{ cm}$	$\beta = 90^\circ$	$c = 2 \text{ cm}$	$\gamma = 10^\circ$	$\gamma = 90^\circ$

Kongruenz-Bingo (13)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$b = 10 \text{ cm}$	$\alpha = 140^\circ$	$c = 9 \text{ cm}$	$c = 8 \text{ cm}$	$\alpha = 20^\circ$	$a = 7 \text{ cm}$
$c = 6 \text{ cm}$	$a = 10 \text{ cm}$	$b = 6 \text{ cm}$	$\gamma = 10^\circ$	$\gamma = 60^\circ$	$a = 2 \text{ cm}$
$a = 1 \text{ cm}$	$\alpha = 20^\circ$	$c = 4 \text{ cm}$	$\gamma = 75^\circ$	$\gamma = 110^\circ$	$c = 10 \text{ cm}$
$\beta = 70^\circ$	$\alpha = 30^\circ$	$c = 4 \text{ cm}$	$\alpha = 60^\circ$	$c = 7 \text{ cm}$	$c = 3 \text{ cm}$
$\gamma = 100^\circ$	$\gamma = 130^\circ$	$c = 5 \text{ cm}$	$\gamma = 110^\circ$	$\gamma = 10^\circ$	$b = 7 \text{ cm}$
$\gamma = 50^\circ$	$\beta = 30^\circ$	$c = 3 \text{ cm}$	$b = 10 \text{ cm}$	$\gamma = 40^\circ$	$b = 4 \text{ cm}$
$b = 5 \text{ cm}$	$a = 5 \text{ cm}$	$\beta = 50^\circ$	$\gamma = 120^\circ$	$\gamma = 130^\circ$	$a = 9 \text{ cm}$
$\alpha = 10^\circ$	$\beta = 140^\circ$	$a = 7 \text{ cm}$	$\alpha = 50^\circ$	$\alpha = 80^\circ$	$b = 7 \text{ cm}$
$c = 7 \text{ cm}$	$a = 8 \text{ cm}$	$c = 2 \text{ cm}$	$\beta = 30^\circ$	$a = 8 \text{ cm}$	$b = 1 \text{ cm}$
$a = 6 \text{ cm}$	$c = 10 \text{ cm}$	$b = 3 \text{ cm}$	$\beta = 120^\circ$	$a = 4 \text{ cm}$	$\beta = 90^\circ$
$b = 8 \text{ cm}$	$\alpha = 120^\circ$	$\alpha = 30^\circ$	$\gamma = 50^\circ$	$\beta = 60^\circ$	$b = 2 \text{ cm}$
$c = 8 \text{ cm}$	$\gamma = 40^\circ$	$\beta = 20^\circ$	$\beta = 50^\circ$	$\beta = 100^\circ$	$a = 6 \text{ cm}$
$a = 3 \text{ cm}$	$\alpha = 60^\circ$	$b = 1 \text{ cm}$	$a = 5 \text{ cm}$	$a = 3 \text{ cm}$	$a = 10 \text{ cm}$
$c = 9 \text{ cm}$	$\alpha = 140^\circ$	$\alpha = 50^\circ$	$c = 6 \text{ cm}$	$\beta = 120^\circ$	$\alpha = 90^\circ$
$\gamma = 120^\circ$	$\beta = 45^\circ$	$\alpha = 90^\circ$	$\beta = 70^\circ$	$\gamma = 90^\circ$	$a = 4 \text{ cm}$
$\alpha = 45^\circ$	$b = 2 \text{ cm}$	$c = 1 \text{ cm}$	$\alpha = 80^\circ$	$\beta = 45^\circ$	$b = 9 \text{ cm}$
$c = 1 \text{ cm}$	$a = 1 \text{ cm}$	$\alpha = 45^\circ$	$b = 3 \text{ cm}$	$\gamma = 90^\circ$	$\beta = 90^\circ$
$b = 9 \text{ cm}$	$a = 2 \text{ cm}$	$c = 5 \text{ cm}$	$a = 9 \text{ cm}$	$\beta = 140^\circ$	$\gamma = 60^\circ$
$\gamma = 75^\circ$	$b = 6 \text{ cm}$	$\beta = 60^\circ$	$\gamma = 100^\circ$	$\beta = 100^\circ$	$c = 2 \text{ cm}$
$\alpha = 10^\circ$	$b = 8 \text{ cm}$	$\alpha = 120^\circ$	$b = 4 \text{ cm}$	$\beta = 20^\circ$	$b = 5 \text{ cm}$

Kongruenz-Bingo (14)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\gamma = 50^\circ$	$b = 1 \text{ cm}$	$a = 5 \text{ cm}$	$\gamma = 40^\circ$	$c = 5 \text{ cm}$	$\gamma = 130^\circ$
$\beta = 120^\circ$	$\alpha = 30^\circ$	$\beta = 30^\circ$	$b = 2 \text{ cm}$	$c = 6 \text{ cm}$	$\gamma = 110^\circ$
$\alpha = 90^\circ$	$b = 9 \text{ cm}$	$\gamma = 10^\circ$	$\gamma = 40^\circ$	$\gamma = 60^\circ$	$\gamma = 100^\circ$
$a = 5 \text{ cm}$	$a = 10 \text{ cm}$	$c = 9 \text{ cm}$	$b = 10 \text{ cm}$	$c = 9 \text{ cm}$	$b = 4 \text{ cm}$
$b = 7 \text{ cm}$	$\alpha = 140^\circ$	$\beta = 60^\circ$	$\alpha = 45^\circ$	$\alpha = 50^\circ$	$\alpha = 60^\circ$
$a = 9 \text{ cm}$	$a = 3 \text{ cm}$	$\alpha = 80^\circ$	$\alpha = 10^\circ$	$a = 2 \text{ cm}$	$\beta = 45^\circ$
$c = 10 \text{ cm}$	$\gamma = 75^\circ$	$c = 6 \text{ cm}$	$\beta = 70^\circ$	$\gamma = 10^\circ$	$a = 6 \text{ cm}$
$\beta = 60^\circ$	$\gamma = 100^\circ$	$a = 8 \text{ cm}$	$c = 3 \text{ cm}$	$b = 10 \text{ cm}$	$b = 8 \text{ cm}$
$a = 1 \text{ cm}$	$b = 5 \text{ cm}$	$\beta = 90^\circ$	$\beta = 140^\circ$	$a = 4 \text{ cm}$	$b = 9 \text{ cm}$
$a = 4 \text{ cm}$	$\beta = 45^\circ$	$b = 8 \text{ cm}$	$\beta = 100^\circ$	$c = 8 \text{ cm}$	$c = 3 \text{ cm}$
$a = 10 \text{ cm}$	$\alpha = 80^\circ$	$\beta = 100^\circ$	$a = 3 \text{ cm}$	$\beta = 70^\circ$	$b = 4 \text{ cm}$
$c = 2 \text{ cm}$	$b = 7 \text{ cm}$	$\gamma = 75^\circ$	$b = 6 \text{ cm}$	$\gamma = 120^\circ$	$\alpha = 45^\circ$
$\alpha = 20^\circ$	$\beta = 30^\circ$	$c = 4 \text{ cm}$	$\alpha = 140^\circ$	$c = 5 \text{ cm}$	$\gamma = 50^\circ$
$\beta = 50^\circ$	$a = 2 \text{ cm}$	$\gamma = 90^\circ$	$c = 1 \text{ cm}$	$\alpha = 60^\circ$	$\beta = 50^\circ$
$\alpha = 120^\circ$	$c = 8 \text{ cm}$	$a = 7 \text{ cm}$	$\gamma = 120^\circ$	$c = 7 \text{ cm}$	$c = 4 \text{ cm}$
$\gamma = 130^\circ$	$\alpha = 90^\circ$	$c = 1 \text{ cm}$	$\beta = 20^\circ$	$a = 6 \text{ cm}$	$b = 2 \text{ cm}$
$\alpha = 20^\circ$	$a = 1 \text{ cm}$	$\beta = 20^\circ$	$c = 7 \text{ cm}$	$b = 3 \text{ cm}$	$a = 8 \text{ cm}$
$b = 1 \text{ cm}$	$\alpha = 50^\circ$	$\alpha = 30^\circ$	$c = 2 \text{ cm}$	$\alpha = 10^\circ$	$a = 7 \text{ cm}$
$b = 3 \text{ cm}$	$c = 10 \text{ cm}$	$\beta = 90^\circ$	$\beta = 140^\circ$	$\gamma = 90^\circ$	$\beta = 120^\circ$
$a = 9 \text{ cm}$	$\gamma = 110^\circ$	$\gamma = 60^\circ$	$b = 6 \text{ cm}$	$b = 5 \text{ cm}$	$\alpha = 120^\circ$

Kongruenz-Bingo (15)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\beta = 100^\circ$	$\beta = 120^\circ$	$b = 1 \text{ cm}$	$b = 5 \text{ cm}$	$c = 7 \text{ cm}$	$\gamma = 100^\circ$
$\gamma = 90^\circ$	$\gamma = 10^\circ$	$c = 10 \text{ cm}$	$\beta = 90^\circ$	$a = 7 \text{ cm}$	$\gamma = 10^\circ$
$c = 1 \text{ cm}$	$a = 10 \text{ cm}$	$\beta = 45^\circ$	$c = 4 \text{ cm}$	$b = 3 \text{ cm}$	$\alpha = 50^\circ$
$b = 5 \text{ cm}$	$c = 2 \text{ cm}$	$b = 6 \text{ cm}$	$b = 2 \text{ cm}$	$c = 6 \text{ cm}$	$\gamma = 130^\circ$
$c = 5 \text{ cm}$	$\alpha = 80^\circ$	$\gamma = 50^\circ$	$\beta = 100^\circ$	$\beta = 140^\circ$	$\beta = 60^\circ$
$\beta = 50^\circ$	$\gamma = 75^\circ$	$\gamma = 50^\circ$	$a = 4 \text{ cm}$	$b = 8 \text{ cm}$	$b = 6 \text{ cm}$
$\beta = 20^\circ$	$c = 1 \text{ cm}$	$a = 4 \text{ cm}$	$\beta = 90^\circ$	$b = 10 \text{ cm}$	$c = 6 \text{ cm}$
$c = 8 \text{ cm}$	$c = 3 \text{ cm}$	$\beta = 60^\circ$	$\gamma = 75^\circ$	$b = 4 \text{ cm}$	$a = 8 \text{ cm}$
$b = 4 \text{ cm}$	$c = 8 \text{ cm}$	$\alpha = 50^\circ$	$a = 6 \text{ cm}$	$\beta = 70^\circ$	$\gamma = 110^\circ$
$\beta = 120^\circ$	$\alpha = 20^\circ$	$\beta = 30^\circ$	$\beta = 70^\circ$	$\beta = 20^\circ$	$b = 9 \text{ cm}$
$\beta = 45^\circ$	$\gamma = 40^\circ$	$c = 10 \text{ cm}$	$\beta = 30^\circ$	$c = 2 \text{ cm}$	$\alpha = 10^\circ$
$a = 3 \text{ cm}$	$b = 10 \text{ cm}$	$a = 1 \text{ cm}$	$a = 6 \text{ cm}$	$a = 8 \text{ cm}$	$b = 8 \text{ cm}$
$\alpha = 120^\circ$	$\beta = 50^\circ$	$\alpha = 45^\circ$	$c = 3 \text{ cm}$	$\beta = 140^\circ$	$\alpha = 30^\circ$
$a = 9 \text{ cm}$	$b = 7 \text{ cm}$	$b = 3 \text{ cm}$	$\gamma = 60^\circ$	$\gamma = 110^\circ$	$a = 2 \text{ cm}$
$a = 10 \text{ cm}$	$a = 5 \text{ cm}$	$\alpha = 20^\circ$	$\gamma = 60^\circ$	$\alpha = 90^\circ$	$c = 9 \text{ cm}$
$\alpha = 45^\circ$	$\gamma = 130^\circ$	$c = 7 \text{ cm}$	$\gamma = 120^\circ$	$\alpha = 10^\circ$	$\gamma = 40^\circ$
$\alpha = 120^\circ$	$\alpha = 90^\circ$	$c = 5 \text{ cm}$	$b = 9 \text{ cm}$	$a = 3 \text{ cm}$	$\alpha = 140^\circ$
$a = 5 \text{ cm}$	$\alpha = 60^\circ$	$\gamma = 120^\circ$	$b = 2 \text{ cm}$	$c = 9 \text{ cm}$	$\gamma = 100^\circ$
$a = 2 \text{ cm}$	$\alpha = 80^\circ$	$a = 1 \text{ cm}$	$\alpha = 140^\circ$	$c = 4 \text{ cm}$	$a = 9 \text{ cm}$
$\gamma = 90^\circ$	$\alpha = 60^\circ$	$\alpha = 30^\circ$	$b = 1 \text{ cm}$	$a = 7 \text{ cm}$	$b = 7 \text{ cm}$

Kongruenz-Bingo (16)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$c = 10 \text{ cm}$	$c = 4 \text{ cm}$	$c = 6 \text{ cm}$	$a = 1 \text{ cm}$	$\alpha = 45^\circ$	$\gamma = 90^\circ$
$b = 6 \text{ cm}$	$\gamma = 40^\circ$	$\alpha = 60^\circ$	$\alpha = 140^\circ$	$a = 2 \text{ cm}$	$a = 3 \text{ cm}$
$\gamma = 110^\circ$	$\gamma = 60^\circ$	$\beta = 120^\circ$	$b = 3 \text{ cm}$	$c = 2 \text{ cm}$	$b = 5 \text{ cm}$
$c = 1 \text{ cm}$	$\gamma = 120^\circ$	$\gamma = 10^\circ$	$a = 5 \text{ cm}$	$b = 7 \text{ cm}$	$\beta = 100^\circ$
$b = 6 \text{ cm}$	$\beta = 30^\circ$	$b = 8 \text{ cm}$	$\alpha = 80^\circ$	$\beta = 45^\circ$	$a = 6 \text{ cm}$
$c = 1 \text{ cm}$	$\beta = 70^\circ$	$b = 2 \text{ cm}$	$\beta = 70^\circ$	$c = 3 \text{ cm}$	$b = 10 \text{ cm}$
$\beta = 20^\circ$	$b = 3 \text{ cm}$	$b = 1 \text{ cm}$	$\alpha = 20^\circ$	$a = 6 \text{ cm}$	$\alpha = 60^\circ$
$\beta = 20^\circ$	$c = 9 \text{ cm}$	$\gamma = 100^\circ$	$\gamma = 130^\circ$	$c = 5 \text{ cm}$	$\beta = 90^\circ$
$\gamma = 130^\circ$	$a = 7 \text{ cm}$	$b = 4 \text{ cm}$	$c = 8 \text{ cm}$	$\gamma = 75^\circ$	$a = 9 \text{ cm}$
$\alpha = 30^\circ$	$a = 8 \text{ cm}$	$c = 8 \text{ cm}$	$\alpha = 50^\circ$	$\alpha = 10^\circ$	$\alpha = 120^\circ$
$\gamma = 60^\circ$	$b = 8 \text{ cm}$	$\beta = 140^\circ$	$a = 7 \text{ cm}$	$c = 5 \text{ cm}$	$a = 8 \text{ cm}$
$\beta = 45^\circ$	$\alpha = 120^\circ$	$c = 7 \text{ cm}$	$b = 4 \text{ cm}$	$\beta = 100^\circ$	$\alpha = 20^\circ$
$c = 7 \text{ cm}$	$b = 10 \text{ cm}$	$\beta = 120^\circ$	$\beta = 140^\circ$	$\beta = 50^\circ$	$c = 10 \text{ cm}$
$b = 7 \text{ cm}$	$c = 2 \text{ cm}$	$b = 2 \text{ cm}$	$\gamma = 100^\circ$	$\alpha = 90^\circ$	$a = 10 \text{ cm}$
$c = 4 \text{ cm}$	$\beta = 60^\circ$	$\gamma = 75^\circ$	$\gamma = 40^\circ$	$\gamma = 110^\circ$	$\alpha = 45^\circ$
$\alpha = 30^\circ$	$c = 3 \text{ cm}$	$a = 5 \text{ cm}$	$b = 1 \text{ cm}$	$\alpha = 80^\circ$	$a = 9 \text{ cm}$
$\alpha = 140^\circ$	$a = 4 \text{ cm}$	$a = 10 \text{ cm}$	$a = 4 \text{ cm}$	$a = 2 \text{ cm}$	$\gamma = 90^\circ$
$\alpha = 90^\circ$	$b = 5 \text{ cm}$	$\alpha = 50^\circ$	$\beta = 50^\circ$	$b = 9 \text{ cm}$	$a = 1 \text{ cm}$
$\gamma = 120^\circ$	$\beta = 90^\circ$	$\beta = 30^\circ$	$c = 9 \text{ cm}$	$\gamma = 10^\circ$	$\alpha = 10^\circ$
$c = 6 \text{ cm}$	$\gamma = 50^\circ$	$\beta = 60^\circ$	$b = 9 \text{ cm}$	$\gamma = 50^\circ$	$a = 3 \text{ cm}$

Kongruenz-Bingo (17)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$b = 2 \text{ cm}$	$\gamma = 75^\circ$	$\alpha = 90^\circ$	$\beta = 90^\circ$	$\beta = 100^\circ$	$b = 2 \text{ cm}$
$\gamma = 130^\circ$	$c = 6 \text{ cm}$	$a = 3 \text{ cm}$	$b = 7 \text{ cm}$	$\beta = 50^\circ$	$\beta = 140^\circ$
$a = 4 \text{ cm}$	$\beta = 140^\circ$	$a = 1 \text{ cm}$	$\gamma = 90^\circ$	$\gamma = 100^\circ$	$\gamma = 10^\circ$
$\alpha = 50^\circ$	$b = 1 \text{ cm}$	$c = 1 \text{ cm}$	$\beta = 50^\circ$	$\beta = 120^\circ$	$\alpha = 50^\circ$
$a = 9 \text{ cm}$	$b = 6 \text{ cm}$	$b = 7 \text{ cm}$	$\alpha = 30^\circ$	$\beta = 90^\circ$	$c = 1 \text{ cm}$
$\alpha = 140^\circ$	$\gamma = 120^\circ$	$a = 7 \text{ cm}$	$\gamma = 50^\circ$	$c = 4 \text{ cm}$	$b = 6 \text{ cm}$
$\beta = 45^\circ$	$a = 2 \text{ cm}$	$c = 9 \text{ cm}$	$\beta = 120^\circ$	$b = 3 \text{ cm}$	$\alpha = 80^\circ$
$\gamma = 120^\circ$	$a = 5 \text{ cm}$	$\alpha = 10^\circ$	$\gamma = 60^\circ$	$a = 10 \text{ cm}$	$a = 5 \text{ cm}$
$a = 3 \text{ cm}$	$\alpha = 140^\circ$	$\gamma = 110^\circ$	$\gamma = 100^\circ$	$b = 9 \text{ cm}$	$\beta = 70^\circ$
$c = 3 \text{ cm}$	$\beta = 20^\circ$	$a = 8 \text{ cm}$	$b = 8 \text{ cm}$	$c = 10 \text{ cm}$	$\alpha = 45^\circ$
$a = 8 \text{ cm}$	$\gamma = 130^\circ$	$\beta = 30^\circ$	$b = 8 \text{ cm}$	$a = 6 \text{ cm}$	$\gamma = 50^\circ$
$a = 2 \text{ cm}$	$a = 9 \text{ cm}$	$a = 7 \text{ cm}$	$\alpha = 60^\circ$	$b = 10 \text{ cm}$	$\alpha = 90^\circ$
$\gamma = 75^\circ$	$\beta = 70^\circ$	$\beta = 45^\circ$	$\beta = 20^\circ$	$a = 4 \text{ cm}$	$b = 4 \text{ cm}$
$a = 1 \text{ cm}$	$\alpha = 120^\circ$	$c = 6 \text{ cm}$	$\beta = 100^\circ$	$\gamma = 40^\circ$	$a = 6 \text{ cm}$
$b = 1 \text{ cm}$	$\gamma = 60^\circ$	$\gamma = 110^\circ$	$c = 4 \text{ cm}$	$b = 4 \text{ cm}$	$\alpha = 20^\circ$
$b = 3 \text{ cm}$	$b = 5 \text{ cm}$	$b = 10 \text{ cm}$	$c = 7 \text{ cm}$	$c = 2 \text{ cm}$	$b = 9 \text{ cm}$
$\gamma = 10^\circ$	$c = 9 \text{ cm}$	$c = 7 \text{ cm}$	$a = 10 \text{ cm}$	$\gamma = 90^\circ$	$c = 8 \text{ cm}$
$\alpha = 80^\circ$	$\beta = 30^\circ$	$\alpha = 30^\circ$	$c = 5 \text{ cm}$	$\beta = 60^\circ$	$\alpha = 10^\circ$
$\alpha = 20^\circ$	$c = 8 \text{ cm}$	$c = 2 \text{ cm}$	$c = 5 \text{ cm}$	$b = 5 \text{ cm}$	$c = 10 \text{ cm}$
$\alpha = 60^\circ$	$\alpha = 45^\circ$	$c = 3 \text{ cm}$	$\alpha = 120^\circ$	$\beta = 60^\circ$	$\gamma = 40^\circ$

Kongruenz-Bingo (18)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$b = 6 \text{ cm}$	$\gamma = 100^\circ$	$a = 3 \text{ cm}$	$\alpha = 60^\circ$	$c = 10 \text{ cm}$	$c = 9 \text{ cm}$
$b = 7 \text{ cm}$	$b = 2 \text{ cm}$	$\beta = 45^\circ$	$a = 4 \text{ cm}$	$\beta = 70^\circ$	$c = 1 \text{ cm}$
$\gamma = 10^\circ$	$\alpha = 60^\circ$	$a = 2 \text{ cm}$	$\beta = 50^\circ$	$\alpha = 45^\circ$	$\alpha = 80^\circ$
$a = 6 \text{ cm}$	$\beta = 100^\circ$	$c = 7 \text{ cm}$	$a = 8 \text{ cm}$	$b = 1 \text{ cm}$	$b = 8 \text{ cm}$
$\beta = 60^\circ$	$\beta = 30^\circ$	$b = 6 \text{ cm}$	$a = 8 \text{ cm}$	$a = 6 \text{ cm}$	$c = 5 \text{ cm}$
$b = 7 \text{ cm}$	$a = 4 \text{ cm}$	$\gamma = 10^\circ$	$\gamma = 120^\circ$	$\alpha = 20^\circ$	$\gamma = 100^\circ$
$\beta = 100^\circ$	$\beta = 20^\circ$	$b = 8 \text{ cm}$	$\gamma = 130^\circ$	$\gamma = 90^\circ$	$c = 8 \text{ cm}$
$\beta = 90^\circ$	$c = 9 \text{ cm}$	$b = 10 \text{ cm}$	$c = 1 \text{ cm}$	$c = 5 \text{ cm}$	$b = 9 \text{ cm}$
$a = 7 \text{ cm}$	$c = 10 \text{ cm}$	$c = 2 \text{ cm}$	$\beta = 120^\circ$	$\alpha = 140^\circ$	$a = 1 \text{ cm}$
$a = 3 \text{ cm}$	$\alpha = 50^\circ$	$c = 4 \text{ cm}$	$\alpha = 30^\circ$	$c = 6 \text{ cm}$	$\gamma = 110^\circ$
$\beta = 70^\circ$	$\alpha = 20^\circ$	$\alpha = 120^\circ$	$c = 2 \text{ cm}$	$\beta = 20^\circ$	$\beta = 50^\circ$
$c = 4 \text{ cm}$	$\alpha = 50^\circ$	$\beta = 60^\circ$	$c = 3 \text{ cm}$	$c = 6 \text{ cm}$	$\gamma = 50^\circ$
$\beta = 140^\circ$	$c = 3 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 75^\circ$	$b = 1 \text{ cm}$	$\gamma = 60^\circ$
$\gamma = 60^\circ$	$a = 5 \text{ cm}$	$b = 3 \text{ cm}$	$\alpha = 120^\circ$	$b = 5 \text{ cm}$	$a = 7 \text{ cm}$
$\gamma = 40^\circ$	$b = 4 \text{ cm}$	$\gamma = 40^\circ$	$b = 3 \text{ cm}$	$a = 5 \text{ cm}$	$b = 9 \text{ cm}$
$\beta = 45^\circ$	$\alpha = 30^\circ$	$\alpha = 80^\circ$	$\beta = 30^\circ$	$\beta = 120^\circ$	$a = 9 \text{ cm}$
$\alpha = 140^\circ$	$\gamma = 110^\circ$	$b = 4 \text{ cm}$	$b = 10 \text{ cm}$	$c = 7 \text{ cm}$	$a = 2 \text{ cm}$
$\gamma = 130^\circ$	$b = 2 \text{ cm}$	$\alpha = 10^\circ$	$\beta = 140^\circ$	$\gamma = 75^\circ$	$c = 8 \text{ cm}$
$a = 10 \text{ cm}$	$b = 5 \text{ cm}$	$\gamma = 50^\circ$	$\beta = 90^\circ$	$\alpha = 45^\circ$	$a = 10 \text{ cm}$
$\alpha = 90^\circ$	$a = 1 \text{ cm}$	$\alpha = 90^\circ$	$\gamma = 120^\circ$	$\alpha = 10^\circ$	$\gamma = 90^\circ$

Kongruenz-Bingo (19)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\alpha = 20^\circ$	$\gamma = 60^\circ$	$\beta = 45^\circ$	$c = 4 \text{ cm}$	$b = 6 \text{ cm}$	$\gamma = 10^\circ$
$\gamma = 90^\circ$	$a = 6 \text{ cm}$	$\beta = 20^\circ$	$c = 9 \text{ cm}$	$\beta = 120^\circ$	$\alpha = 45^\circ$
$c = 2 \text{ cm}$	$\beta = 50^\circ$	$\alpha = 140^\circ$	$\alpha = 80^\circ$	$c = 1 \text{ cm}$	$c = 7 \text{ cm}$
$c = 10 \text{ cm}$	$\alpha = 20^\circ$	$a = 3 \text{ cm}$	$\alpha = 60^\circ$	$\beta = 100^\circ$	$\beta = 30^\circ$
$c = 1 \text{ cm}$	$\gamma = 40^\circ$	$\alpha = 90^\circ$	$b = 3 \text{ cm}$	$a = 8 \text{ cm}$	$b = 1 \text{ cm}$
$a = 5 \text{ cm}$	$\beta = 140^\circ$	$b = 2 \text{ cm}$	$a = 6 \text{ cm}$	$\beta = 50^\circ$	$c = 10 \text{ cm}$
$a = 1 \text{ cm}$	$\beta = 60^\circ$	$b = 9 \text{ cm}$	$a = 8 \text{ cm}$	$\alpha = 120^\circ$	$\alpha = 120^\circ$
$\alpha = 10^\circ$	$\alpha = 80^\circ$	$b = 8 \text{ cm}$	$\alpha = 30^\circ$	$\gamma = 120^\circ$	$c = 5 \text{ cm}$
$a = 3 \text{ cm}$	$a = 2 \text{ cm}$	$c = 4 \text{ cm}$	$a = 10 \text{ cm}$	$\alpha = 45^\circ$	$\gamma = 75^\circ$
$b = 2 \text{ cm}$	$b = 6 \text{ cm}$	$\beta = 90^\circ$	$c = 6 \text{ cm}$	$c = 3 \text{ cm}$	$b = 8 \text{ cm}$
$\gamma = 110^\circ$	$b = 4 \text{ cm}$	$\alpha = 50^\circ$	$\gamma = 100^\circ$	$b = 4 \text{ cm}$	$\beta = 45^\circ$
$c = 2 \text{ cm}$	$\gamma = 60^\circ$	$b = 9 \text{ cm}$	$a = 4 \text{ cm}$	$b = 7 \text{ cm}$	$a = 7 \text{ cm}$
$\beta = 70^\circ$	$b = 3 \text{ cm}$	$\alpha = 90^\circ$	$b = 5 \text{ cm}$	$c = 8 \text{ cm}$	$a = 1 \text{ cm}$
$\gamma = 130^\circ$	$\gamma = 110^\circ$	$\gamma = 40^\circ$	$a = 9 \text{ cm}$	$a = 2 \text{ cm}$	$\alpha = 50^\circ$
$\gamma = 75^\circ$	$\beta = 30^\circ$	$b = 10 \text{ cm}$	$\beta = 100^\circ$	$a = 10 \text{ cm}$	$\gamma = 50^\circ$
$c = 7 \text{ cm}$	$\alpha = 140^\circ$	$c = 6 \text{ cm}$	$c = 5 \text{ cm}$	$\gamma = 10^\circ$	$b = 10 \text{ cm}$
$\beta = 140^\circ$	$\alpha = 30^\circ$	$\gamma = 90^\circ$	$\beta = 60^\circ$	$\beta = 70^\circ$	$b = 1 \text{ cm}$
$a = 4 \text{ cm}$	$b = 5 \text{ cm}$	$a = 5 \text{ cm}$	$a = 9 \text{ cm}$	$\beta = 120^\circ$	$\beta = 20^\circ$
$\gamma = 130^\circ$	$c = 9 \text{ cm}$	$c = 8 \text{ cm}$	$\alpha = 10^\circ$	$c = 3 \text{ cm}$	$\gamma = 120^\circ$
$b = 7 \text{ cm}$	$a = 7 \text{ cm}$	$\alpha = 60^\circ$	$\gamma = 100^\circ$	$\gamma = 50^\circ$	$\beta = 90^\circ$

Kongruenz-Bingo (20)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$a = 7 \text{ cm}$	$a = 3 \text{ cm}$	$c = 3 \text{ cm}$	$c = 6 \text{ cm}$	$a = 1 \text{ cm}$	$c = 2 \text{ cm}$
$\gamma = 110^\circ$	$\beta = 30^\circ$	$\beta = 100^\circ$	$\beta = 45^\circ$	$b = 2 \text{ cm}$	$c = 7 \text{ cm}$
$\alpha = 30^\circ$	$a = 4 \text{ cm}$	$\gamma = 110^\circ$	$c = 1 \text{ cm}$	$\beta = 120^\circ$	$\beta = 100^\circ$
$\alpha = 80^\circ$	$b = 10 \text{ cm}$	$c = 9 \text{ cm}$	$c = 7 \text{ cm}$	$c = 8 \text{ cm}$	$\gamma = 120^\circ$
$\beta = 140^\circ$	$\gamma = 40^\circ$	$c = 1 \text{ cm}$	$a = 6 \text{ cm}$	$\beta = 50^\circ$	$\gamma = 130^\circ$
$b = 5 \text{ cm}$	$\gamma = 120^\circ$	$\alpha = 90^\circ$	$c = 10 \text{ cm}$	$b = 7 \text{ cm}$	$b = 1 \text{ cm}$
$\alpha = 60^\circ$	$c = 4 \text{ cm}$	$\beta = 50^\circ$	$\gamma = 100^\circ$	$\alpha = 80^\circ$	$\alpha = 90^\circ$
$a = 5 \text{ cm}$	$a = 8 \text{ cm}$	$\beta = 45^\circ$	$\alpha = 120^\circ$	$b = 10 \text{ cm}$	$b = 7 \text{ cm}$
$\beta = 60^\circ$	$\alpha = 60^\circ$	$\gamma = 40^\circ$	$\alpha = 10^\circ$	$b = 4 \text{ cm}$	$\alpha = 20^\circ$
$a = 7 \text{ cm}$	$\beta = 60^\circ$	$b = 6 \text{ cm}$	$c = 5 \text{ cm}$	$b = 3 \text{ cm}$	$\gamma = 75^\circ$
$\gamma = 100^\circ$	$b = 2 \text{ cm}$	$\beta = 20^\circ$	$\alpha = 30^\circ$	$\alpha = 50^\circ$	$\alpha = 120^\circ$
$\alpha = 45^\circ$	$\gamma = 10^\circ$	$a = 9 \text{ cm}$	$c = 2 \text{ cm}$	$\alpha = 10^\circ$	$a = 2 \text{ cm}$
$c = 4 \text{ cm}$	$a = 3 \text{ cm}$	$\gamma = 90^\circ$	$c = 9 \text{ cm}$	$\gamma = 90^\circ$	$\beta = 20^\circ$
$a = 1 \text{ cm}$	$a = 5 \text{ cm}$	$a = 2 \text{ cm}$	$a = 8 \text{ cm}$	$\beta = 90^\circ$	$\gamma = 130^\circ$
$\alpha = 140^\circ$	$\alpha = 50^\circ$	$\alpha = 140^\circ$	$b = 4 \text{ cm}$	$\alpha = 45^\circ$	$b = 9 \text{ cm}$
$b = 5 \text{ cm}$	$\gamma = 75^\circ$	$a = 6 \text{ cm}$	$\beta = 120^\circ$	$c = 5 \text{ cm}$	$\beta = 140^\circ$
$a = 10 \text{ cm}$	$c = 10 \text{ cm}$	$b = 1 \text{ cm}$	$\alpha = 20^\circ$	$\beta = 70^\circ$	$b = 8 \text{ cm}$
$\gamma = 10^\circ$	$a = 10 \text{ cm}$	$a = 4 \text{ cm}$	$\beta = 30^\circ$	$b = 6 \text{ cm}$	$\beta = 90^\circ$
$\beta = 70^\circ$	$c = 3 \text{ cm}$	$b = 9 \text{ cm}$	$\gamma = 60^\circ$	$\gamma = 50^\circ$	$a = 9 \text{ cm}$
$b = 3 \text{ cm}$	$\gamma = 60^\circ$	$\gamma = 50^\circ$	$b = 8 \text{ cm}$	$c = 6 \text{ cm}$	$c = 8 \text{ cm}$

Kongruenz-Bingo (21)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\beta = 30^\circ$	$\gamma = 10^\circ$	$b = 2 \text{ cm}$	$\alpha = 90^\circ$	$b = 5 \text{ cm}$	$\alpha = 50^\circ$
$b = 9 \text{ cm}$	$\gamma = 40^\circ$	$c = 6 \text{ cm}$	$\gamma = 60^\circ$	$c = 3 \text{ cm}$	$b = 2 \text{ cm}$
$b = 7 \text{ cm}$	$b = 5 \text{ cm}$	$a = 6 \text{ cm}$	$b = 4 \text{ cm}$	$\gamma = 120^\circ$	$\alpha = 45^\circ$
$b = 6 \text{ cm}$	$\alpha = 90^\circ$	$c = 2 \text{ cm}$	$c = 8 \text{ cm}$	$a = 5 \text{ cm}$	$c = 4 \text{ cm}$
$\beta = 60^\circ$	$a = 3 \text{ cm}$	$\gamma = 60^\circ$	$\alpha = 10^\circ$	$a = 2 \text{ cm}$	$\beta = 100^\circ$
$c = 9 \text{ cm}$	$\alpha = 50^\circ$	$\gamma = 130^\circ$	$\beta = 70^\circ$	$\alpha = 80^\circ$	$a = 3 \text{ cm}$
$\beta = 120^\circ$	$c = 7 \text{ cm}$	$a = 4 \text{ cm}$	$\alpha = 10^\circ$	$\beta = 20^\circ$	$c = 10 \text{ cm}$
$b = 4 \text{ cm}$	$\gamma = 40^\circ$	$\gamma = 50^\circ$	$\gamma = 110^\circ$	$\beta = 50^\circ$	$c = 1 \text{ cm}$
$\gamma = 110^\circ$	$a = 5 \text{ cm}$	$\beta = 45^\circ$	$a = 1 \text{ cm}$	$c = 9 \text{ cm}$	$c = 5 \text{ cm}$
$c = 1 \text{ cm}$	$\beta = 60^\circ$	$b = 10 \text{ cm}$	$\gamma = 75^\circ$	$b = 7 \text{ cm}$	$b = 8 \text{ cm}$
$a = 7 \text{ cm}$	$\alpha = 140^\circ$	$a = 8 \text{ cm}$	$\beta = 90^\circ$	$c = 7 \text{ cm}$	$\gamma = 10^\circ$
$\gamma = 120^\circ$	$\gamma = 130^\circ$	$\beta = 100^\circ$	$a = 10 \text{ cm}$	$b = 8 \text{ cm}$	$\gamma = 100^\circ$
$c = 6 \text{ cm}$	$b = 1 \text{ cm}$	$\beta = 45^\circ$	$a = 9 \text{ cm}$	$b = 10 \text{ cm}$	$\alpha = 140^\circ$
$a = 1 \text{ cm}$	$\alpha = 60^\circ$	$\alpha = 30^\circ$	$\gamma = 90^\circ$	$a = 7 \text{ cm}$	$c = 3 \text{ cm}$
$\alpha = 60^\circ$	$\beta = 90^\circ$	$\beta = 120^\circ$	$\beta = 140^\circ$	$\alpha = 120^\circ$	$\beta = 70^\circ$
$\beta = 140^\circ$	$a = 10 \text{ cm}$	$b = 3 \text{ cm}$	$c = 10 \text{ cm}$	$c = 8 \text{ cm}$	$c = 4 \text{ cm}$
$b = 9 \text{ cm}$	$\alpha = 20^\circ$	$\beta = 50^\circ$	$\gamma = 75^\circ$	$b = 1 \text{ cm}$	$b = 6 \text{ cm}$
$a = 6 \text{ cm}$	$a = 2 \text{ cm}$	$\alpha = 30^\circ$	$\alpha = 80^\circ$	$\gamma = 100^\circ$	$\gamma = 90^\circ$
$\alpha = 120^\circ$	$a = 8 \text{ cm}$	$a = 9 \text{ cm}$	$c = 2 \text{ cm}$	$a = 4 \text{ cm}$	$\gamma = 50^\circ$
$\alpha = 45^\circ$	$b = 3 \text{ cm}$	$c = 5 \text{ cm}$	$\beta = 20^\circ$	$\beta = 30^\circ$	$\alpha = 20^\circ$

Kongruenz-Bingo (22)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$a = 1 \text{ cm}$	$\alpha = 20^\circ$	$\gamma = 110^\circ$	$a = 4 \text{ cm}$	$c = 10 \text{ cm}$	$b = 6 \text{ cm}$
$\alpha = 50^\circ$	$b = 2 \text{ cm}$	$\alpha = 45^\circ$	$b = 1 \text{ cm}$	$a = 7 \text{ cm}$	$\gamma = 40^\circ$
$b = 8 \text{ cm}$	$a = 6 \text{ cm}$	$\beta = 90^\circ$	$c = 5 \text{ cm}$	$\beta = 100^\circ$	$\alpha = 140^\circ$
$c = 7 \text{ cm}$	$\alpha = 10^\circ$	$\alpha = 60^\circ$	$\gamma = 90^\circ$	$\alpha = 120^\circ$	$\beta = 70^\circ$
$b = 8 \text{ cm}$	$c = 6 \text{ cm}$	$\beta = 90^\circ$	$\gamma = 10^\circ$	$a = 9 \text{ cm}$	$a = 9 \text{ cm}$
$b = 5 \text{ cm}$	$\gamma = 100^\circ$	$\beta = 30^\circ$	$b = 10 \text{ cm}$	$\beta = 120^\circ$	$\alpha = 20^\circ$
$b = 3 \text{ cm}$	$\beta = 120^\circ$	$a = 2 \text{ cm}$	$\beta = 140^\circ$	$\gamma = 75^\circ$	$\alpha = 90^\circ$
$a = 8 \text{ cm}$	$c = 9 \text{ cm}$	$c = 7 \text{ cm}$	$\alpha = 80^\circ$	$\beta = 45^\circ$	$a = 4 \text{ cm}$
$\beta = 100^\circ$	$\alpha = 90^\circ$	$\gamma = 50^\circ$	$\gamma = 130^\circ$	$c = 3 \text{ cm}$	$\beta = 20^\circ$
$a = 1 \text{ cm}$	$\beta = 20^\circ$	$\beta = 50^\circ$	$c = 10 \text{ cm}$	$\beta = 140^\circ$	$c = 2 \text{ cm}$
$a = 5 \text{ cm}$	$a = 6 \text{ cm}$	$b = 10 \text{ cm}$	$\gamma = 90^\circ$	$c = 4 \text{ cm}$	$\gamma = 100^\circ$
$\alpha = 80^\circ$	$c = 1 \text{ cm}$	$c = 8 \text{ cm}$	$\alpha = 120^\circ$	$a = 3 \text{ cm}$	$\gamma = 110^\circ$
$b = 1 \text{ cm}$	$\gamma = 75^\circ$	$\gamma = 40^\circ$	$\gamma = 10^\circ$	$c = 2 \text{ cm}$	$a = 5 \text{ cm}$
$c = 8 \text{ cm}$	$b = 7 \text{ cm}$	$\alpha = 30^\circ$	$\beta = 60^\circ$	$\beta = 50^\circ$	$\alpha = 30^\circ$
$b = 3 \text{ cm}$	$\beta = 70^\circ$	$\gamma = 60^\circ$	$b = 4 \text{ cm}$	$\beta = 45^\circ$	$\alpha = 60^\circ$
$\gamma = 60^\circ$	$a = 3 \text{ cm}$	$b = 9 \text{ cm}$	$a = 10 \text{ cm}$	$\beta = 30^\circ$	$\alpha = 50^\circ$
$c = 6 \text{ cm}$	$b = 5 \text{ cm}$	$c = 9 \text{ cm}$	$\alpha = 45^\circ$	$c = 1 \text{ cm}$	$\gamma = 120^\circ$
$\alpha = 140^\circ$	$\beta = 60^\circ$	$a = 7 \text{ cm}$	$b = 2 \text{ cm}$	$b = 6 \text{ cm}$	$a = 2 \text{ cm}$
$\gamma = 130^\circ$	$c = 5 \text{ cm}$	$\gamma = 120^\circ$	$b = 7 \text{ cm}$	$b = 9 \text{ cm}$	$\gamma = 50^\circ$
$c = 3 \text{ cm}$	$c = 4 \text{ cm}$	$\alpha = 10^\circ$	$a = 10 \text{ cm}$	$a = 8 \text{ cm}$	$b = 4 \text{ cm}$

Kongruenz-Bingo (23)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\beta = 140^\circ$	$\gamma = 130^\circ$	$\gamma = 60^\circ$	$\beta = 90^\circ$	$\gamma = 10^\circ$	$c = 6 \text{ cm}$
$\beta = 20^\circ$	$\beta = 90^\circ$	$b = 7 \text{ cm}$	$b = 4 \text{ cm}$	$c = 5 \text{ cm}$	$\alpha = 120^\circ$
$a = 4 \text{ cm}$	$b = 5 \text{ cm}$	$\gamma = 75^\circ$	$\beta = 30^\circ$	$\alpha = 80^\circ$	$b = 8 \text{ cm}$
$a = 7 \text{ cm}$	$a = 8 \text{ cm}$	$a = 3 \text{ cm}$	$b = 5 \text{ cm}$	$a = 2 \text{ cm}$	$b = 1 \text{ cm}$
$\gamma = 100^\circ$	$b = 6 \text{ cm}$	$b = 3 \text{ cm}$	$a = 10 \text{ cm}$	$\gamma = 50^\circ$	$b = 10 \text{ cm}$
$a = 4 \text{ cm}$	$\gamma = 120^\circ$	$\beta = 60^\circ$	$\gamma = 110^\circ$	$a = 9 \text{ cm}$	$\beta = 100^\circ$
$\alpha = 10^\circ$	$b = 1 \text{ cm}$	$b = 7 \text{ cm}$	$b = 9 \text{ cm}$	$\alpha = 50^\circ$	$a = 1 \text{ cm}$
$\gamma = 120^\circ$	$\alpha = 50^\circ$	$\gamma = 75^\circ$	$b = 2 \text{ cm}$	$\alpha = 80^\circ$	$c = 8 \text{ cm}$
$\gamma = 100^\circ$	$\beta = 70^\circ$	$b = 6 \text{ cm}$	$c = 7 \text{ cm}$	$\beta = 50^\circ$	$\beta = 140^\circ$
$a = 10 \text{ cm}$	$\alpha = 20^\circ$	$\gamma = 130^\circ$	$\gamma = 110^\circ$	$c = 10 \text{ cm}$	$\alpha = 10^\circ$
$c = 10 \text{ cm}$	$c = 4 \text{ cm}$	$c = 2 \text{ cm}$	$\alpha = 120^\circ$	$a = 5 \text{ cm}$	$\gamma = 50^\circ$
$\alpha = 30^\circ$	$c = 3 \text{ cm}$	$a = 6 \text{ cm}$	$\beta = 120^\circ$	$\gamma = 40^\circ$	$\alpha = 45^\circ$
$c = 1 \text{ cm}$	$a = 8 \text{ cm}$	$\gamma = 10^\circ$	$\gamma = 90^\circ$	$b = 4 \text{ cm}$	$\beta = 20^\circ$
$\beta = 50^\circ$	$b = 9 \text{ cm}$	$\beta = 60^\circ$	$c = 1 \text{ cm}$	$\alpha = 45^\circ$	$\beta = 30^\circ$
$\beta = 70^\circ$	$c = 9 \text{ cm}$	$c = 2 \text{ cm}$	$c = 7 \text{ cm}$	$\beta = 100^\circ$	$\beta = 45^\circ$
$a = 7 \text{ cm}$	$b = 2 \text{ cm}$	$a = 1 \text{ cm}$	$a = 2 \text{ cm}$	$b = 10 \text{ cm}$	$\beta = 45^\circ$
$\gamma = 90^\circ$	$\alpha = 140^\circ$	$a = 3 \text{ cm}$	$\alpha = 20^\circ$	$\alpha = 60^\circ$	$c = 5 \text{ cm}$
$b = 8 \text{ cm}$	$a = 5 \text{ cm}$	$c = 6 \text{ cm}$	$\alpha = 90^\circ$	$\alpha = 60^\circ$	$\alpha = 90^\circ$
$\beta = 120^\circ$	$\gamma = 40^\circ$	$c = 3 \text{ cm}$	$c = 8 \text{ cm}$	$\gamma = 60^\circ$	$\alpha = 30^\circ$
$a = 9 \text{ cm}$	$\alpha = 140^\circ$	$c = 9 \text{ cm}$	$c = 4 \text{ cm}$	$a = 6 \text{ cm}$	$b = 3 \text{ cm}$

Kongruenz-Bingo (24)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$a = 10 \text{ cm}$	$\alpha = 45^\circ$	$a = 2 \text{ cm}$	$c = 3 \text{ cm}$	$c = 6 \text{ cm}$	$\gamma = 40^\circ$
$b = 6 \text{ cm}$	$\gamma = 110^\circ$	$\gamma = 120^\circ$	$c = 10 \text{ cm}$	$\beta = 50^\circ$	$c = 5 \text{ cm}$
$a = 9 \text{ cm}$	$\gamma = 130^\circ$	$a = 8 \text{ cm}$	$a = 7 \text{ cm}$	$\beta = 90^\circ$	$b = 7 \text{ cm}$
$\beta = 100^\circ$	$\gamma = 100^\circ$	$\alpha = 90^\circ$	$a = 4 \text{ cm}$	$\gamma = 10^\circ$	$a = 7 \text{ cm}$
$\alpha = 10^\circ$	$a = 6 \text{ cm}$	$c = 7 \text{ cm}$	$\gamma = 110^\circ$	$\alpha = 50^\circ$	$b = 4 \text{ cm}$
$\alpha = 120^\circ$	$b = 5 \text{ cm}$	$c = 2 \text{ cm}$	$a = 6 \text{ cm}$	$\gamma = 90^\circ$	$b = 2 \text{ cm}$
$\alpha = 50^\circ$	$\beta = 120^\circ$	$b = 9 \text{ cm}$	$a = 2 \text{ cm}$	$\alpha = 20^\circ$	$a = 3 \text{ cm}$
$c = 4 \text{ cm}$	$c = 7 \text{ cm}$	$\beta = 45^\circ$	$\gamma = 100^\circ$	$c = 3 \text{ cm}$	$\beta = 60^\circ$
$c = 9 \text{ cm}$	$\beta = 20^\circ$	$a = 3 \text{ cm}$	$c = 10 \text{ cm}$	$c = 2 \text{ cm}$	$\gamma = 60^\circ$
$\gamma = 130^\circ$	$b = 3 \text{ cm}$	$c = 8 \text{ cm}$	$\gamma = 50^\circ$	$\gamma = 120^\circ$	$b = 8 \text{ cm}$
$\beta = 20^\circ$	$\beta = 30^\circ$	$\alpha = 30^\circ$	$\alpha = 140^\circ$	$a = 8 \text{ cm}$	$c = 8 \text{ cm}$
$c = 9 \text{ cm}$	$\beta = 140^\circ$	$\alpha = 120^\circ$	$\gamma = 75^\circ$	$\gamma = 75^\circ$	$a = 1 \text{ cm}$
$\alpha = 45^\circ$	$\gamma = 50^\circ$	$a = 1 \text{ cm}$	$b = 9 \text{ cm}$	$c = 1 \text{ cm}$	$b = 2 \text{ cm}$
$\beta = 30^\circ$	$c = 5 \text{ cm}$	$\beta = 120^\circ$	$c = 6 \text{ cm}$	$b = 6 \text{ cm}$	$\beta = 140^\circ$
$b = 5 \text{ cm}$	$\gamma = 40^\circ$	$b = 1 \text{ cm}$	$b = 3 \text{ cm}$	$\alpha = 80^\circ$	$\gamma = 60^\circ$
$a = 5 \text{ cm}$	$b = 10 \text{ cm}$	$\alpha = 90^\circ$	$\beta = 70^\circ$	$b = 7 \text{ cm}$	$\beta = 50^\circ$
$\beta = 100^\circ$	$\gamma = 90^\circ$	$b = 4 \text{ cm}$	$b = 8 \text{ cm}$	$\alpha = 30^\circ$	$\gamma = 10^\circ$
$\beta = 45^\circ$	$\beta = 60^\circ$	$b = 10 \text{ cm}$	$\alpha = 60^\circ$	$a = 4 \text{ cm}$	$a = 9 \text{ cm}$
$\beta = 70^\circ$	$c = 1 \text{ cm}$	$\alpha = 80^\circ$	$a = 5 \text{ cm}$	$\alpha = 20^\circ$	$b = 1 \text{ cm}$
$a = 10 \text{ cm}$	$\alpha = 140^\circ$	$\beta = 90^\circ$	$\alpha = 10^\circ$	$\alpha = 60^\circ$	$c = 4 \text{ cm}$

Kongruenz-Bingo (25)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$c = 5 \text{ cm}$	$\beta = 60^\circ$	$c = 10 \text{ cm}$	$b = 8 \text{ cm}$	$\alpha = 140^\circ$	$\beta = 45^\circ$
$\gamma = 100^\circ$	$c = 1 \text{ cm}$	$c = 10 \text{ cm}$	$b = 8 \text{ cm}$	$\gamma = 10^\circ$	$b = 5 \text{ cm}$
$b = 2 \text{ cm}$	$\beta = 140^\circ$	$b = 3 \text{ cm}$	$\gamma = 110^\circ$	$c = 8 \text{ cm}$	$\beta = 20^\circ$
$a = 1 \text{ cm}$	$\gamma = 90^\circ$	$\gamma = 10^\circ$	$\gamma = 130^\circ$	$b = 1 \text{ cm}$	$\alpha = 120^\circ$
$\alpha = 50^\circ$	$\alpha = 140^\circ$	$a = 7 \text{ cm}$	$\alpha = 10^\circ$	$\alpha = 30^\circ$	$\alpha = 80^\circ$
$b = 1 \text{ cm}$	$\gamma = 130^\circ$	$c = 4 \text{ cm}$	$\alpha = 45^\circ$	$c = 5 \text{ cm}$	$\beta = 60^\circ$
$\alpha = 45^\circ$	$a = 1 \text{ cm}$	$\gamma = 90^\circ$	$\gamma = 60^\circ$	$\beta = 50^\circ$	$b = 2 \text{ cm}$
$a = 4 \text{ cm}$	$\gamma = 110^\circ$	$\beta = 45^\circ$	$c = 6 \text{ cm}$	$\alpha = 30^\circ$	$\gamma = 120^\circ$
$c = 7 \text{ cm}$	$a = 6 \text{ cm}$	$b = 7 \text{ cm}$	$a = 7 \text{ cm}$	$\alpha = 80^\circ$	$c = 9 \text{ cm}$
$a = 8 \text{ cm}$	$c = 4 \text{ cm}$	$c = 1 \text{ cm}$	$\gamma = 75^\circ$	$\beta = 70^\circ$	$b = 6 \text{ cm}$
$\beta = 20^\circ$	$a = 4 \text{ cm}$	$c = 3 \text{ cm}$	$b = 4 \text{ cm}$	$c = 2 \text{ cm}$	$\beta = 70^\circ$
$\gamma = 40^\circ$	$c = 7 \text{ cm}$	$b = 6 \text{ cm}$	$\alpha = 120^\circ$	$b = 5 \text{ cm}$	$b = 3 \text{ cm}$
$\gamma = 75^\circ$	$\alpha = 60^\circ$	$a = 2 \text{ cm}$	$\alpha = 20^\circ$	$a = 5 \text{ cm}$	$a = 5 \text{ cm}$
$a = 10 \text{ cm}$	$\alpha = 50^\circ$	$\beta = 30^\circ$	$\alpha = 90^\circ$	$c = 8 \text{ cm}$	$\beta = 120^\circ$
$a = 9 \text{ cm}$	$\alpha = 60^\circ$	$\beta = 100^\circ$	$\beta = 90^\circ$	$b = 7 \text{ cm}$	$\gamma = 120^\circ$
$b = 9 \text{ cm}$	$\gamma = 50^\circ$	$\beta = 140^\circ$	$\gamma = 100^\circ$	$a = 8 \text{ cm}$	$\gamma = 50^\circ$
$c = 2 \text{ cm}$	$\alpha = 10^\circ$	$b = 10 \text{ cm}$	$a = 2 \text{ cm}$	$\beta = 90^\circ$	$a = 3 \text{ cm}$
$\alpha = 90^\circ$	$\alpha = 20^\circ$	$c = 6 \text{ cm}$	$a = 9 \text{ cm}$	$c = 3 \text{ cm}$	$b = 9 \text{ cm}$
$a = 3 \text{ cm}$	$\beta = 120^\circ$	$a = 10 \text{ cm}$	$\beta = 30^\circ$	$\gamma = 60^\circ$	$b = 4 \text{ cm}$
$b = 10 \text{ cm}$	$a = 6 \text{ cm}$	$c = 9 \text{ cm}$	$\gamma = 40^\circ$	$\beta = 50^\circ$	$\beta = 100^\circ$

Kongruenz-Bingo (26)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\gamma = 90^\circ$	$a = 10 \text{ cm}$	$c = 3 \text{ cm}$	$b = 9 \text{ cm}$	$\alpha = 120^\circ$	$\alpha = 50^\circ$
$\gamma = 50^\circ$	$a = 9 \text{ cm}$	$\beta = 45^\circ$	$b = 2 \text{ cm}$	$a = 4 \text{ cm}$	$\gamma = 110^\circ$
$\beta = 70^\circ$	$b = 3 \text{ cm}$	$a = 1 \text{ cm}$	$\alpha = 45^\circ$	$\gamma = 10^\circ$	$\alpha = 90^\circ$
$c = 10 \text{ cm}$	$a = 8 \text{ cm}$	$\gamma = 130^\circ$	$\gamma = 120^\circ$	$\beta = 50^\circ$	$b = 8 \text{ cm}$
$c = 10 \text{ cm}$	$a = 5 \text{ cm}$	$a = 10 \text{ cm}$	$b = 2 \text{ cm}$	$\alpha = 80^\circ$	$\beta = 70^\circ$
$\alpha = 45^\circ$	$b = 4 \text{ cm}$	$b = 10 \text{ cm}$	$\gamma = 75^\circ$	$\beta = 50^\circ$	$b = 7 \text{ cm}$
$b = 10 \text{ cm}$	$\gamma = 110^\circ$	$c = 9 \text{ cm}$	$a = 5 \text{ cm}$	$\alpha = 10^\circ$	$\gamma = 60^\circ$
$\gamma = 100^\circ$	$c = 5 \text{ cm}$	$\gamma = 40^\circ$	$c = 6 \text{ cm}$	$\beta = 100^\circ$	$\alpha = 30^\circ$
$\alpha = 90^\circ$	$b = 1 \text{ cm}$	$\gamma = 90^\circ$	$b = 6 \text{ cm}$	$a = 2 \text{ cm}$	$\gamma = 130^\circ$
$b = 5 \text{ cm}$	$b = 8 \text{ cm}$	$\gamma = 40^\circ$	$\alpha = 60^\circ$	$a = 2 \text{ cm}$	$c = 6 \text{ cm}$
$\alpha = 10^\circ$	$c = 9 \text{ cm}$	$b = 9 \text{ cm}$	$c = 7 \text{ cm}$	$\beta = 100^\circ$	$c = 2 \text{ cm}$
$a = 7 \text{ cm}$	$c = 4 \text{ cm}$	$b = 1 \text{ cm}$	$a = 6 \text{ cm}$	$\alpha = 30^\circ$	$\beta = 90^\circ$
$\alpha = 50^\circ$	$c = 1 \text{ cm}$	$\alpha = 80^\circ$	$c = 7 \text{ cm}$	$b = 5 \text{ cm}$	$\gamma = 50^\circ$
$a = 9 \text{ cm}$	$\beta = 20^\circ$	$\beta = 60^\circ$	$\beta = 30^\circ$	$\beta = 60^\circ$	$\beta = 140^\circ$
$\beta = 120^\circ$	$c = 2 \text{ cm}$	$\alpha = 60^\circ$	$a = 1 \text{ cm}$	$c = 1 \text{ cm}$	$\beta = 45^\circ$
$c = 4 \text{ cm}$	$b = 4 \text{ cm}$	$\alpha = 140^\circ$	$\beta = 90^\circ$	$\alpha = 140^\circ$	$\gamma = 100^\circ$
$\beta = 30^\circ$	$a = 4 \text{ cm}$	$\beta = 120^\circ$	$c = 8 \text{ cm}$	$\alpha = 120^\circ$	$a = 3 \text{ cm}$
$\gamma = 10^\circ$	$a = 8 \text{ cm}$	$\gamma = 60^\circ$	$b = 3 \text{ cm}$	$a = 6 \text{ cm}$	$c = 8 \text{ cm}$
$\beta = 140^\circ$	$a = 7 \text{ cm}$	$\alpha = 20^\circ$	$\gamma = 75^\circ$	$\alpha = 20^\circ$	$a = 3 \text{ cm}$
$\beta = 20^\circ$	$c = 3 \text{ cm}$	$\gamma = 120^\circ$	$b = 7 \text{ cm}$	$c = 5 \text{ cm}$	$b = 6 \text{ cm}$

Kongruenz-Bingo (27)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$b = 2 \text{ cm}$	$b = 1 \text{ cm}$	$b = 4 \text{ cm}$	$\gamma = 130^\circ$	$b = 9 \text{ cm}$	$c = 2 \text{ cm}$
$\alpha = 45^\circ$	$\beta = 30^\circ$	$\alpha = 10^\circ$	$c = 2 \text{ cm}$	$b = 7 \text{ cm}$	$\gamma = 75^\circ$
$b = 6 \text{ cm}$	$c = 3 \text{ cm}$	$\gamma = 50^\circ$	$\beta = 70^\circ$	$c = 1 \text{ cm}$	$c = 4 \text{ cm}$
$\beta = 50^\circ$	$c = 6 \text{ cm}$	$a = 4 \text{ cm}$	$b = 10 \text{ cm}$	$\gamma = 40^\circ$	$\alpha = 30^\circ$
$a = 9 \text{ cm}$	$\beta = 50^\circ$	$\beta = 90^\circ$	$\alpha = 50^\circ$	$\alpha = 90^\circ$	$c = 3 \text{ cm}$
$b = 7 \text{ cm}$	$a = 8 \text{ cm}$	$\beta = 120^\circ$	$a = 10 \text{ cm}$	$a = 1 \text{ cm}$	$\gamma = 10^\circ$
$\gamma = 130^\circ$	$\gamma = 90^\circ$	$b = 2 \text{ cm}$	$\alpha = 90^\circ$	$\alpha = 20^\circ$	$\beta = 30^\circ$
$c = 10 \text{ cm}$	$\alpha = 20^\circ$	$c = 4 \text{ cm}$	$\beta = 120^\circ$	$\beta = 140^\circ$	$\gamma = 100^\circ$
$c = 8 \text{ cm}$	$a = 8 \text{ cm}$	$\gamma = 120^\circ$	$\alpha = 140^\circ$	$b = 3 \text{ cm}$	$\beta = 45^\circ$
$b = 9 \text{ cm}$	$b = 6 \text{ cm}$	$c = 7 \text{ cm}$	$\alpha = 120^\circ$	$a = 10 \text{ cm}$	$b = 3 \text{ cm}$
$\alpha = 10^\circ$	$a = 6 \text{ cm}$	$c = 8 \text{ cm}$	$b = 8 \text{ cm}$	$b = 4 \text{ cm}$	$\gamma = 110^\circ$
$\gamma = 50^\circ$	$\beta = 140^\circ$	$a = 3 \text{ cm}$	$\beta = 20^\circ$	$a = 2 \text{ cm}$	$a = 7 \text{ cm}$
$a = 5 \text{ cm}$	$b = 5 \text{ cm}$	$\gamma = 120^\circ$	$\beta = 60^\circ$	$b = 10 \text{ cm}$	$\beta = 70^\circ$
$a = 7 \text{ cm}$	$\alpha = 45^\circ$	$c = 10 \text{ cm}$	$\gamma = 90^\circ$	$c = 7 \text{ cm}$	$\beta = 20^\circ$
$\gamma = 110^\circ$	$a = 2 \text{ cm}$	$a = 3 \text{ cm}$	$a = 5 \text{ cm}$	$\gamma = 60^\circ$	$a = 6 \text{ cm}$
$\beta = 60^\circ$	$\alpha = 80^\circ$	$\alpha = 60^\circ$	$b = 8 \text{ cm}$	$b = 5 \text{ cm}$	$c = 5 \text{ cm}$
$c = 6 \text{ cm}$	$\alpha = 50^\circ$	$a = 4 \text{ cm}$	$\alpha = 30^\circ$	$b = 1 \text{ cm}$	$\gamma = 40^\circ$
$\beta = 90^\circ$	$a = 1 \text{ cm}$	$\alpha = 140^\circ$	$c = 9 \text{ cm}$	$\alpha = 80^\circ$	$c = 1 \text{ cm}$
$c = 9 \text{ cm}$	$a = 9 \text{ cm}$	$\beta = 45^\circ$	$\alpha = 60^\circ$	$\gamma = 100^\circ$	$\alpha = 120^\circ$
$\beta = 100^\circ$	$c = 5 \text{ cm}$	$\gamma = 10^\circ$	$\gamma = 60^\circ$	$\gamma = 75^\circ$	$\beta = 100^\circ$

Kongruenz-Bingo (28)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\beta = 70^\circ$	$\gamma = 50^\circ$	$b = 5 \text{ cm}$	$c = 2 \text{ cm}$	$b = 8 \text{ cm}$	$a = 6 \text{ cm}$
$\gamma = 110^\circ$	$\beta = 50^\circ$	$\beta = 60^\circ$	$c = 7 \text{ cm}$	$c = 9 \text{ cm}$	$\gamma = 10^\circ$
$\alpha = 80^\circ$	$\alpha = 60^\circ$	$b = 1 \text{ cm}$	$\beta = 30^\circ$	$\beta = 60^\circ$	$\alpha = 120^\circ$
$a = 4 \text{ cm}$	$\alpha = 45^\circ$	$\alpha = 45^\circ$	$b = 2 \text{ cm}$	$b = 2 \text{ cm}$	$\beta = 100^\circ$
$a = 9 \text{ cm}$	$a = 7 \text{ cm}$	$a = 2 \text{ cm}$	$a = 8 \text{ cm}$	$a = 7 \text{ cm}$	$\gamma = 120^\circ$
$\beta = 45^\circ$	$\alpha = 30^\circ$	$\gamma = 120^\circ$	$a = 5 \text{ cm}$	$b = 3 \text{ cm}$	$c = 6 \text{ cm}$
$c = 1 \text{ cm}$	$\beta = 140^\circ$	$a = 3 \text{ cm}$	$b = 7 \text{ cm}$	$b = 6 \text{ cm}$	$a = 3 \text{ cm}$
$\beta = 140^\circ$	$\gamma = 60^\circ$	$b = 8 \text{ cm}$	$a = 9 \text{ cm}$	$\alpha = 30^\circ$	$a = 1 \text{ cm}$
$b = 1 \text{ cm}$	$\beta = 90^\circ$	$\beta = 70^\circ$	$b = 7 \text{ cm}$	$\gamma = 130^\circ$	$c = 10 \text{ cm}$
$\alpha = 140^\circ$	$a = 6 \text{ cm}$	$c = 6 \text{ cm}$	$\beta = 50^\circ$	$b = 9 \text{ cm}$	$c = 5 \text{ cm}$
$c = 8 \text{ cm}$	$b = 10 \text{ cm}$	$\gamma = 100^\circ$	$b = 9 \text{ cm}$	$b = 10 \text{ cm}$	$\gamma = 40^\circ$
$\beta = 90^\circ$	$\gamma = 40^\circ$	$c = 1 \text{ cm}$	$\alpha = 50^\circ$	$c = 10 \text{ cm}$	$a = 5 \text{ cm}$
$c = 5 \text{ cm}$	$c = 3 \text{ cm}$	$\gamma = 50^\circ$	$\gamma = 10^\circ$	$b = 6 \text{ cm}$	$\beta = 20^\circ$
$\beta = 30^\circ$	$\alpha = 10^\circ$	$\beta = 100^\circ$	$a = 2 \text{ cm}$	$a = 10 \text{ cm}$	$\alpha = 50^\circ$
$\alpha = 60^\circ$	$a = 4 \text{ cm}$	$\beta = 120^\circ$	$\beta = 120^\circ$	$\alpha = 90^\circ$	$c = 3 \text{ cm}$
$c = 4 \text{ cm}$	$\beta = 45^\circ$	$c = 8 \text{ cm}$	$c = 9 \text{ cm}$	$b = 4 \text{ cm}$	$\alpha = 10^\circ$
$\gamma = 60^\circ$	$a = 10 \text{ cm}$	$\gamma = 90^\circ$	$\gamma = 100^\circ$	$a = 8 \text{ cm}$	$\alpha = 20^\circ$
$\alpha = 140^\circ$	$\gamma = 75^\circ$	$\alpha = 80^\circ$	$c = 2 \text{ cm}$	$c = 7 \text{ cm}$	$\alpha = 20^\circ$
$\alpha = 120^\circ$	$\alpha = 90^\circ$	$c = 4 \text{ cm}$	$b = 4 \text{ cm}$	$\beta = 20^\circ$	$\gamma = 130^\circ$
$a = 1 \text{ cm}$	$\gamma = 75^\circ$	$\gamma = 110^\circ$	$b = 3 \text{ cm}$	$\gamma = 90^\circ$	$b = 5 \text{ cm}$

Kongruenz-Bingo (29)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$b = 9 \text{ cm}$	$a = 4 \text{ cm}$	$\beta = 70^\circ$	$a = 8 \text{ cm}$	$\alpha = 30^\circ$	$a = 7 \text{ cm}$
$\gamma = 50^\circ$	$\alpha = 10^\circ$	$\alpha = 90^\circ$	$\alpha = 120^\circ$	$c = 6 \text{ cm}$	$\gamma = 130^\circ$
$c = 4 \text{ cm}$	$b = 9 \text{ cm}$	$a = 2 \text{ cm}$	$\beta = 60^\circ$	$\gamma = 40^\circ$	$a = 10 \text{ cm}$
$b = 6 \text{ cm}$	$b = 5 \text{ cm}$	$c = 9 \text{ cm}$	$c = 1 \text{ cm}$	$\beta = 100^\circ$	$b = 3 \text{ cm}$
$\alpha = 60^\circ$	$\gamma = 100^\circ$	$b = 1 \text{ cm}$	$\gamma = 60^\circ$	$c = 5 \text{ cm}$	$b = 4 \text{ cm}$
$\alpha = 140^\circ$	$a = 6 \text{ cm}$	$c = 3 \text{ cm}$	$a = 10 \text{ cm}$	$\beta = 120^\circ$	$\gamma = 10^\circ$
$\beta = 140^\circ$	$\gamma = 120^\circ$	$b = 6 \text{ cm}$	$\gamma = 75^\circ$	$b = 8 \text{ cm}$	$c = 10 \text{ cm}$
$b = 1 \text{ cm}$	$a = 7 \text{ cm}$	$\beta = 50^\circ$	$\alpha = 30^\circ$	$\alpha = 20^\circ$	$a = 5 \text{ cm}$
$\gamma = 50^\circ$	$\beta = 90^\circ$	$a = 3 \text{ cm}$	$\gamma = 120^\circ$	$\beta = 140^\circ$	$\beta = 45^\circ$
$\alpha = 80^\circ$	$\beta = 20^\circ$	$a = 6 \text{ cm}$	$c = 4 \text{ cm}$	$\beta = 45^\circ$	$b = 5 \text{ cm}$
$\alpha = 20^\circ$	$c = 8 \text{ cm}$	$a = 1 \text{ cm}$	$c = 9 \text{ cm}$	$c = 3 \text{ cm}$	$\gamma = 60^\circ$
$\alpha = 50^\circ$	$\gamma = 130^\circ$	$\gamma = 110^\circ$	$b = 10 \text{ cm}$	$\beta = 100^\circ$	$c = 5 \text{ cm}$
$\alpha = 140^\circ$	$\beta = 20^\circ$	$\beta = 120^\circ$	$c = 1 \text{ cm}$	$\alpha = 10^\circ$	$\beta = 30^\circ$
$\alpha = 50^\circ$	$\gamma = 110^\circ$	$\gamma = 40^\circ$	$b = 2 \text{ cm}$	$c = 2 \text{ cm}$	$b = 8 \text{ cm}$
$b = 10 \text{ cm}$	$c = 2 \text{ cm}$	$b = 4 \text{ cm}$	$c = 10 \text{ cm}$	$\alpha = 90^\circ$	$a = 3 \text{ cm}$
$a = 4 \text{ cm}$	$\gamma = 75^\circ$	$a = 1 \text{ cm}$	$\gamma = 90^\circ$	$b = 3 \text{ cm}$	$\beta = 50^\circ$
$a = 5 \text{ cm}$	$\alpha = 120^\circ$	$\alpha = 45^\circ$	$c = 7 \text{ cm}$	$b = 2 \text{ cm}$	$a = 8 \text{ cm}$
$\alpha = 45^\circ$	$a = 9 \text{ cm}$	$a = 2 \text{ cm}$	$c = 8 \text{ cm}$	$\alpha = 80^\circ$	$\gamma = 100^\circ$
$\beta = 30^\circ$	$\beta = 90^\circ$	$\alpha = 60^\circ$	$\beta = 70^\circ$	$\beta = 60^\circ$	$c = 7 \text{ cm}$
$b = 7 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 90^\circ$	$c = 6 \text{ cm}$	$\gamma = 10^\circ$	$b = 7 \text{ cm}$

Kongruenz-Bingo (30)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\beta = 140^\circ$	$c = 3 \text{ cm}$	$\gamma = 130^\circ$	$\alpha = 140^\circ$	$a = 4 \text{ cm}$	$a = 5 \text{ cm}$
$b = 1 \text{ cm}$	$\beta = 45^\circ$	$c = 10 \text{ cm}$	$c = 5 \text{ cm}$	$\beta = 120^\circ$	$\alpha = 10^\circ$
$\alpha = 60^\circ$	$c = 4 \text{ cm}$	$\alpha = 45^\circ$	$b = 4 \text{ cm}$	$b = 2 \text{ cm}$	$\beta = 45^\circ$
$b = 6 \text{ cm}$	$b = 7 \text{ cm}$	$\alpha = 50^\circ$	$c = 8 \text{ cm}$	$\beta = 100^\circ$	$\beta = 140^\circ$
$a = 1 \text{ cm}$	$c = 7 \text{ cm}$	$c = 7 \text{ cm}$	$\gamma = 50^\circ$	$a = 9 \text{ cm}$	$\gamma = 100^\circ$
$\alpha = 45^\circ$	$a = 4 \text{ cm}$	$\alpha = 30^\circ$	$b = 2 \text{ cm}$	$c = 5 \text{ cm}$	$a = 7 \text{ cm}$
$\beta = 90^\circ$	$\gamma = 120^\circ$	$\alpha = 80^\circ$	$b = 8 \text{ cm}$	$b = 9 \text{ cm}$	$\beta = 60^\circ$
$c = 1 \text{ cm}$	$c = 9 \text{ cm}$	$a = 8 \text{ cm}$	$\gamma = 100^\circ$	$\alpha = 120^\circ$	$a = 5 \text{ cm}$
$\gamma = 60^\circ$	$\alpha = 50^\circ$	$a = 10 \text{ cm}$	$a = 1 \text{ cm}$	$\alpha = 90^\circ$	$\beta = 20^\circ$
$\gamma = 40^\circ$	$\beta = 120^\circ$	$c = 6 \text{ cm}$	$\gamma = 75^\circ$	$\beta = 50^\circ$	$\alpha = 20^\circ$
$b = 9 \text{ cm}$	$b = 3 \text{ cm}$	$\beta = 100^\circ$	$c = 1 \text{ cm}$	$c = 8 \text{ cm}$	$\alpha = 20^\circ$
$\beta = 30^\circ$	$c = 9 \text{ cm}$	$a = 8 \text{ cm}$	$a = 6 \text{ cm}$	$\gamma = 10^\circ$	$b = 10 \text{ cm}$
$a = 3 \text{ cm}$	$\gamma = 130^\circ$	$b = 7 \text{ cm}$	$\gamma = 110^\circ$	$a = 10 \text{ cm}$	$b = 5 \text{ cm}$
$a = 9 \text{ cm}$	$b = 1 \text{ cm}$	$a = 2 \text{ cm}$	$b = 5 \text{ cm}$	$\gamma = 90^\circ$	$a = 6 \text{ cm}$
$\alpha = 10^\circ$	$b = 3 \text{ cm}$	$\beta = 90^\circ$	$c = 2 \text{ cm}$	$\alpha = 140^\circ$	$\gamma = 50^\circ$
$\gamma = 40^\circ$	$b = 10 \text{ cm}$	$\gamma = 110^\circ$	$b = 4 \text{ cm}$	$\alpha = 90^\circ$	$a = 2 \text{ cm}$
$c = 6 \text{ cm}$	$\beta = 50^\circ$	$\beta = 60^\circ$	$\alpha = 120^\circ$	$a = 7 \text{ cm}$	$\gamma = 120^\circ$
$\gamma = 60^\circ$	$\alpha = 60^\circ$	$b = 6 \text{ cm}$	$\beta = 70^\circ$	$\alpha = 30^\circ$	$a = 3 \text{ cm}$
$c = 3 \text{ cm}$	$\gamma = 75^\circ$	$\gamma = 90^\circ$	$\beta = 70^\circ$	$b = 8 \text{ cm}$	$\beta = 30^\circ$
$\alpha = 80^\circ$	$c = 2 \text{ cm}$	$c = 4 \text{ cm}$	$\beta = 20^\circ$	$c = 10 \text{ cm}$	$\gamma = 10^\circ$

Kongruenz-Bingo (31)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\alpha = 20^\circ$	$\gamma = 130^\circ$	$\gamma = 40^\circ$	$\gamma = 75^\circ$	$\beta = 60^\circ$	$\alpha = 80^\circ$
$\beta = 45^\circ$	$\beta = 30^\circ$	$\beta = 100^\circ$	$\beta = 45^\circ$	$b = 3 \text{ cm}$	$c = 3 \text{ cm}$
$\gamma = 10^\circ$	$\gamma = 90^\circ$	$a = 2 \text{ cm}$	$\gamma = 120^\circ$	$c = 2 \text{ cm}$	$\gamma = 100^\circ$
$\beta = 90^\circ$	$\gamma = 10^\circ$	$a = 9 \text{ cm}$	$\alpha = 30^\circ$	$\beta = 30^\circ$	$\alpha = 50^\circ$
$b = 4 \text{ cm}$	$b = 10 \text{ cm}$	$a = 8 \text{ cm}$	$c = 9 \text{ cm}$	$a = 5 \text{ cm}$	$b = 2 \text{ cm}$
$\gamma = 100^\circ$	$\beta = 70^\circ$	$\alpha = 20^\circ$	$\gamma = 110^\circ$	$c = 1 \text{ cm}$	$a = 7 \text{ cm}$
$b = 5 \text{ cm}$	$c = 6 \text{ cm}$	$a = 7 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 50^\circ$	$\alpha = 60^\circ$
$a = 1 \text{ cm}$	$\gamma = 60^\circ$	$\beta = 20^\circ$	$c = 5 \text{ cm}$	$\beta = 140^\circ$	$b = 2 \text{ cm}$
$b = 1 \text{ cm}$	$b = 7 \text{ cm}$	$\alpha = 80^\circ$	$\gamma = 130^\circ$	$\alpha = 120^\circ$	$\gamma = 90^\circ$
$\beta = 120^\circ$	$c = 8 \text{ cm}$	$b = 1 \text{ cm}$	$c = 4 \text{ cm}$	$c = 10 \text{ cm}$	$b = 6 \text{ cm}$
$\alpha = 140^\circ$	$\alpha = 30^\circ$	$\alpha = 140^\circ$	$\gamma = 75^\circ$	$\beta = 90^\circ$	$b = 9 \text{ cm}$
$\alpha = 120^\circ$	$\gamma = 120^\circ$	$\alpha = 90^\circ$	$c = 7 \text{ cm}$	$\gamma = 40^\circ$	$a = 2 \text{ cm}$
$a = 1 \text{ cm}$	$\alpha = 10^\circ$	$c = 7 \text{ cm}$	$c = 2 \text{ cm}$	$\beta = 60^\circ$	$c = 9 \text{ cm}$
$b = 8 \text{ cm}$	$a = 4 \text{ cm}$	$\gamma = 110^\circ$	$b = 9 \text{ cm}$	$c = 4 \text{ cm}$	$a = 5 \text{ cm}$
$\alpha = 45^\circ$	$a = 10 \text{ cm}$	$\gamma = 60^\circ$	$\beta = 120^\circ$	$b = 5 \text{ cm}$	$\beta = 50^\circ$
$c = 5 \text{ cm}$	$a = 6 \text{ cm}$	$b = 7 \text{ cm}$	$c = 6 \text{ cm}$	$\alpha = 10^\circ$	$\gamma = 50^\circ$
$b = 3 \text{ cm}$	$\beta = 70^\circ$	$a = 10 \text{ cm}$	$a = 6 \text{ cm}$	$c = 8 \text{ cm}$	$\alpha = 90^\circ$
$b = 6 \text{ cm}$	$b = 4 \text{ cm}$	$\alpha = 45^\circ$	$a = 3 \text{ cm}$	$\beta = 100^\circ$	$a = 4 \text{ cm}$
$a = 8 \text{ cm}$	$\alpha = 60^\circ$	$\beta = 20^\circ$	$\beta = 50^\circ$	$b = 8 \text{ cm}$	$a = 3 \text{ cm}$
$\alpha = 50^\circ$	$c = 3 \text{ cm}$	$\beta = 140^\circ$	$b = 10 \text{ cm}$	$c = 1 \text{ cm}$	$c = 10 \text{ cm}$

Kongruenz-Bingo (32)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\beta = 100^\circ$	$a = 8 \text{ cm}$	$b = 6 \text{ cm}$	$\beta = 140^\circ$	$b = 2 \text{ cm}$	$b = 7 \text{ cm}$
$b = 9 \text{ cm}$	$\alpha = 120^\circ$	$b = 4 \text{ cm}$	$a = 5 \text{ cm}$	$\alpha = 60^\circ$	$b = 2 \text{ cm}$
$\gamma = 40^\circ$	$\gamma = 10^\circ$	$c = 2 \text{ cm}$	$a = 1 \text{ cm}$	$\gamma = 60^\circ$	$\alpha = 90^\circ$
$\beta = 120^\circ$	$c = 10 \text{ cm}$	$\alpha = 90^\circ$	$a = 9 \text{ cm}$	$\alpha = 140^\circ$	$b = 10 \text{ cm}$
$c = 5 \text{ cm}$	$\gamma = 60^\circ$	$c = 8 \text{ cm}$	$\beta = 20^\circ$	$\gamma = 75^\circ$	$b = 3 \text{ cm}$
$\alpha = 10^\circ$	$c = 1 \text{ cm}$	$c = 6 \text{ cm}$	$\gamma = 50^\circ$	$c = 1 \text{ cm}$	$c = 4 \text{ cm}$
$a = 2 \text{ cm}$	$\alpha = 60^\circ$	$b = 7 \text{ cm}$	$c = 9 \text{ cm}$	$\gamma = 120^\circ$	$\alpha = 45^\circ$
$a = 9 \text{ cm}$	$\gamma = 10^\circ$	$c = 4 \text{ cm}$	$\alpha = 10^\circ$	$\alpha = 20^\circ$	$b = 5 \text{ cm}$
$\beta = 50^\circ$	$\alpha = 45^\circ$	$b = 8 \text{ cm}$	$\gamma = 40^\circ$	$b = 1 \text{ cm}$	$a = 4 \text{ cm}$
$\alpha = 50^\circ$	$a = 2 \text{ cm}$	$\gamma = 110^\circ$	$a = 7 \text{ cm}$	$\gamma = 130^\circ$	$\alpha = 80^\circ$
$\beta = 60^\circ$	$\beta = 140^\circ$	$\gamma = 100^\circ$	$c = 7 \text{ cm}$	$\gamma = 120^\circ$	$\beta = 90^\circ$
$\gamma = 90^\circ$	$\beta = 70^\circ$	$\alpha = 140^\circ$	$c = 2 \text{ cm}$	$\beta = 20^\circ$	$b = 5 \text{ cm}$
$c = 3 \text{ cm}$	$c = 6 \text{ cm}$	$a = 4 \text{ cm}$	$\beta = 100^\circ$	$a = 10 \text{ cm}$	$\beta = 60^\circ$
$\gamma = 100^\circ$	$\beta = 70^\circ$	$b = 6 \text{ cm}$	$b = 4 \text{ cm}$	$c = 7 \text{ cm}$	$a = 5 \text{ cm}$
$\beta = 50^\circ$	$\gamma = 75^\circ$	$a = 1 \text{ cm}$	$b = 9 \text{ cm}$	$\gamma = 130^\circ$	$\alpha = 30^\circ$
$\gamma = 110^\circ$	$\alpha = 80^\circ$	$c = 8 \text{ cm}$	$a = 3 \text{ cm}$	$\alpha = 30^\circ$	$\beta = 30^\circ$
$\beta = 45^\circ$	$\gamma = 90^\circ$	$a = 8 \text{ cm}$	$\beta = 45^\circ$	$c = 5 \text{ cm}$	$b = 3 \text{ cm}$
$b = 1 \text{ cm}$	$\beta = 90^\circ$	$b = 10 \text{ cm}$	$\gamma = 50^\circ$	$a = 7 \text{ cm}$	$\alpha = 50^\circ$
$a = 6 \text{ cm}$	$c = 10 \text{ cm}$	$a = 3 \text{ cm}$	$a = 6 \text{ cm}$	$a = 10 \text{ cm}$	$c = 9 \text{ cm}$
$c = 3 \text{ cm}$	$\beta = 30^\circ$	$b = 8 \text{ cm}$	$\alpha = 120^\circ$	$\beta = 120^\circ$	$\alpha = 20^\circ$

Kongruenz-Bingo (33)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$c = 9 \text{ cm}$	$\alpha = 80^\circ$	$\alpha = 90^\circ$	$b = 1 \text{ cm}$	$a = 7 \text{ cm}$	$c = 1 \text{ cm}$
$\gamma = 100^\circ$	$a = 7 \text{ cm}$	$a = 3 \text{ cm}$	$\gamma = 75^\circ$	$\beta = 20^\circ$	$a = 9 \text{ cm}$
$\gamma = 60^\circ$	$a = 1 \text{ cm}$	$\gamma = 10^\circ$	$\beta = 30^\circ$	$\alpha = 20^\circ$	$\beta = 70^\circ$
$b = 5 \text{ cm}$	$a = 6 \text{ cm}$	$a = 6 \text{ cm}$	$b = 5 \text{ cm}$	$\beta = 50^\circ$	$b = 10 \text{ cm}$
$\beta = 100^\circ$	$\alpha = 20^\circ$	$b = 4 \text{ cm}$	$b = 8 \text{ cm}$	$b = 3 \text{ cm}$	$\beta = 70^\circ$
$c = 8 \text{ cm}$	$a = 8 \text{ cm}$	$a = 2 \text{ cm}$	$c = 3 \text{ cm}$	$\beta = 60^\circ$	$\alpha = 50^\circ$
$b = 1 \text{ cm}$	$c = 10 \text{ cm}$	$a = 10 \text{ cm}$	$\alpha = 140^\circ$	$\alpha = 90^\circ$	$c = 8 \text{ cm}$
$b = 2 \text{ cm}$	$\alpha = 30^\circ$	$c = 9 \text{ cm}$	$\alpha = 50^\circ$	$\gamma = 10^\circ$	$b = 6 \text{ cm}$
$c = 10 \text{ cm}$	$\beta = 30^\circ$	$c = 2 \text{ cm}$	$\gamma = 130^\circ$	$a = 1 \text{ cm}$	$c = 2 \text{ cm}$
$b = 2 \text{ cm}$	$b = 3 \text{ cm}$	$\beta = 100^\circ$	$\alpha = 30^\circ$	$\gamma = 50^\circ$	$c = 1 \text{ cm}$
$\beta = 120^\circ$	$\gamma = 110^\circ$	$b = 9 \text{ cm}$	$\gamma = 50^\circ$	$c = 5 \text{ cm}$	$\gamma = 75^\circ$
$a = 4 \text{ cm}$	$\alpha = 120^\circ$	$\beta = 50^\circ$	$a = 8 \text{ cm}$	$c = 7 \text{ cm}$	$\gamma = 90^\circ$
$\alpha = 80^\circ$	$a = 5 \text{ cm}$	$\gamma = 60^\circ$	$\gamma = 40^\circ$	$a = 10 \text{ cm}$	$\beta = 60^\circ$
$\alpha = 10^\circ$	$c = 3 \text{ cm}$	$b = 7 \text{ cm}$	$a = 3 \text{ cm}$	$\alpha = 120^\circ$	$\beta = 45^\circ$
$\beta = 140^\circ$	$\gamma = 120^\circ$	$c = 7 \text{ cm}$	$b = 7 \text{ cm}$	$\gamma = 120^\circ$	$c = 5 \text{ cm}$
$\gamma = 100^\circ$	$\gamma = 40^\circ$	$c = 6 \text{ cm}$	$\beta = 45^\circ$	$c = 6 \text{ cm}$	$\beta = 90^\circ$
$\beta = 120^\circ$	$b = 9 \text{ cm}$	$b = 4 \text{ cm}$	$\beta = 20^\circ$	$a = 9 \text{ cm}$	$\gamma = 90^\circ$
$\gamma = 110^\circ$	$\alpha = 60^\circ$	$a = 4 \text{ cm}$	$\gamma = 130^\circ$	$\beta = 90^\circ$	$b = 6 \text{ cm}$
$\alpha = 45^\circ$	$b = 10 \text{ cm}$	$\beta = 140^\circ$	$a = 5 \text{ cm}$	$\alpha = 140^\circ$	$c = 4 \text{ cm}$
$\alpha = 45^\circ$	$\alpha = 10^\circ$	$\alpha = 60^\circ$	$a = 2 \text{ cm}$	$b = 8 \text{ cm}$	$c = 4 \text{ cm}$

Kongruenz-Bingo (34)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\alpha = 20^\circ$	$\gamma = 110^\circ$	$\alpha = 60^\circ$	$\gamma = 40^\circ$	$\beta = 70^\circ$	$\gamma = 60^\circ$
$c = 2 \text{ cm}$	$b = 9 \text{ cm}$	$\beta = 60^\circ$	$c = 3 \text{ cm}$	$\gamma = 130^\circ$	$c = 9 \text{ cm}$
$c = 8 \text{ cm}$	$a = 9 \text{ cm}$	$\alpha = 10^\circ$	$a = 5 \text{ cm}$	$\gamma = 10^\circ$	$\alpha = 45^\circ$
$\alpha = 90^\circ$	$c = 7 \text{ cm}$	$\beta = 140^\circ$	$\alpha = 20^\circ$	$\beta = 50^\circ$	$\alpha = 90^\circ$
$b = 6 \text{ cm}$	$\beta = 100^\circ$	$\beta = 140^\circ$	$b = 2 \text{ cm}$	$\beta = 30^\circ$	$c = 10 \text{ cm}$
$a = 7 \text{ cm}$	$\beta = 45^\circ$	$\alpha = 30^\circ$	$b = 10 \text{ cm}$	$\gamma = 10^\circ$	$\gamma = 130^\circ$
$\beta = 90^\circ$	$\gamma = 60^\circ$	$a = 2 \text{ cm}$	$\alpha = 30^\circ$	$b = 1 \text{ cm}$	$a = 7 \text{ cm}$
$\beta = 20^\circ$	$b = 1 \text{ cm}$	$\gamma = 50^\circ$	$\gamma = 120^\circ$	$b = 5 \text{ cm}$	$\alpha = 50^\circ$
$b = 8 \text{ cm}$	$\alpha = 140^\circ$	$\gamma = 75^\circ$	$c = 1 \text{ cm}$	$a = 3 \text{ cm}$	$c = 6 \text{ cm}$
$b = 7 \text{ cm}$	$a = 2 \text{ cm}$	$c = 5 \text{ cm}$	$\beta = 70^\circ$	$c = 9 \text{ cm}$	$\beta = 20^\circ$
$b = 3 \text{ cm}$	$\gamma = 120^\circ$	$\alpha = 120^\circ$	$\gamma = 50^\circ$	$\alpha = 50^\circ$	$\beta = 60^\circ$
$\gamma = 90^\circ$	$c = 4 \text{ cm}$	$b = 7 \text{ cm}$	$a = 10 \text{ cm}$	$b = 10 \text{ cm}$	$a = 8 \text{ cm}$
$\beta = 90^\circ$	$\gamma = 110^\circ$	$a = 6 \text{ cm}$	$a = 4 \text{ cm}$	$c = 8 \text{ cm}$	$b = 8 \text{ cm}$
$a = 6 \text{ cm}$	$\gamma = 100^\circ$	$\alpha = 60^\circ$	$\beta = 30^\circ$	$b = 5 \text{ cm}$	$a = 5 \text{ cm}$
$c = 10 \text{ cm}$	$\beta = 120^\circ$	$\beta = 45^\circ$	$a = 9 \text{ cm}$	$c = 3 \text{ cm}$	$\alpha = 10^\circ$
$b = 4 \text{ cm}$	$b = 4 \text{ cm}$	$\alpha = 120^\circ$	$\beta = 50^\circ$	$a = 10 \text{ cm}$	$\gamma = 90^\circ$
$\gamma = 75^\circ$	$\gamma = 40^\circ$	$c = 6 \text{ cm}$	$\beta = 100^\circ$	$\alpha = 80^\circ$	$c = 4 \text{ cm}$
$a = 3 \text{ cm}$	$\alpha = 45^\circ$	$c = 7 \text{ cm}$	$b = 2 \text{ cm}$	$c = 2 \text{ cm}$	$c = 5 \text{ cm}$
$a = 8 \text{ cm}$	$\gamma = 100^\circ$	$a = 4 \text{ cm}$	$b = 9 \text{ cm}$	$c = 1 \text{ cm}$	$a = 1 \text{ cm}$
$\alpha = 80^\circ$	$\beta = 120^\circ$	$b = 6 \text{ cm}$	$\alpha = 140^\circ$	$a = 1 \text{ cm}$	$b = 3 \text{ cm}$

Kongruenz-Bingo (35)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$a = 9 \text{ cm}$	$b = 10 \text{ cm}$	$b = 5 \text{ cm}$	$a = 2 \text{ cm}$	$\alpha = 10^\circ$	$c = 8 \text{ cm}$
$\beta = 100^\circ$	$a = 5 \text{ cm}$	$\beta = 50^\circ$	$b = 1 \text{ cm}$	$\gamma = 100^\circ$	$a = 3 \text{ cm}$
$\gamma = 60^\circ$	$\gamma = 40^\circ$	$\beta = 120^\circ$	$c = 1 \text{ cm}$	$\gamma = 110^\circ$	$c = 4 \text{ cm}$
$\beta = 60^\circ$	$c = 4 \text{ cm}$	$\beta = 45^\circ$	$\gamma = 75^\circ$	$c = 5 \text{ cm}$	$a = 9 \text{ cm}$
$a = 5 \text{ cm}$	$\alpha = 120^\circ$	$b = 7 \text{ cm}$	$b = 5 \text{ cm}$	$a = 6 \text{ cm}$	$\alpha = 10^\circ$
$c = 9 \text{ cm}$	$c = 8 \text{ cm}$	$\alpha = 90^\circ$	$a = 8 \text{ cm}$	$\alpha = 20^\circ$	$\gamma = 130^\circ$
$\beta = 50^\circ$	$\beta = 90^\circ$	$\alpha = 140^\circ$	$\beta = 70^\circ$	$\alpha = 60^\circ$	$\alpha = 50^\circ$
$c = 10 \text{ cm}$	$\alpha = 45^\circ$	$\beta = 100^\circ$	$\gamma = 10^\circ$	$c = 3 \text{ cm}$	$\beta = 20^\circ$
$\beta = 30^\circ$	$a = 2 \text{ cm}$	$\alpha = 30^\circ$	$\gamma = 90^\circ$	$\alpha = 45^\circ$	$\alpha = 80^\circ$
$c = 6 \text{ cm}$	$c = 10 \text{ cm}$	$\beta = 120^\circ$	$c = 6 \text{ cm}$	$\gamma = 130^\circ$	$a = 4 \text{ cm}$
$b = 3 \text{ cm}$	$b = 9 \text{ cm}$	$\gamma = 10^\circ$	$c = 7 \text{ cm}$	$a = 10 \text{ cm}$	$\gamma = 90^\circ$
$\gamma = 100^\circ$	$a = 8 \text{ cm}$	$b = 10 \text{ cm}$	$c = 2 \text{ cm}$	$\alpha = 120^\circ$	$\gamma = 40^\circ$
$c = 2 \text{ cm}$	$b = 2 \text{ cm}$	$\gamma = 120^\circ$	$b = 1 \text{ cm}$	$\beta = 90^\circ$	$\alpha = 50^\circ$
$\gamma = 60^\circ$	$a = 3 \text{ cm}$	$c = 9 \text{ cm}$	$\beta = 20^\circ$	$\beta = 30^\circ$	$b = 8 \text{ cm}$
$\alpha = 60^\circ$	$a = 4 \text{ cm}$	$\gamma = 110^\circ$	$c = 1 \text{ cm}$	$\beta = 45^\circ$	$a = 7 \text{ cm}$
$\beta = 140^\circ$	$b = 6 \text{ cm}$	$\alpha = 20^\circ$	$b = 9 \text{ cm}$	$\alpha = 90^\circ$	$c = 3 \text{ cm}$
$b = 7 \text{ cm}$	$b = 8 \text{ cm}$	$\gamma = 75^\circ$	$a = 1 \text{ cm}$	$\alpha = 140^\circ$	$\gamma = 50^\circ$
$a = 6 \text{ cm}$	$a = 1 \text{ cm}$	$c = 7 \text{ cm}$	$\alpha = 30^\circ$	$b = 2 \text{ cm}$	$\alpha = 80^\circ$
$\gamma = 50^\circ$	$\beta = 140^\circ$	$c = 5 \text{ cm}$	$b = 4 \text{ cm}$	$a = 10 \text{ cm}$	$a = 7 \text{ cm}$
$\beta = 70^\circ$	$b = 3 \text{ cm}$	$b = 6 \text{ cm}$	$\gamma = 120^\circ$	$\beta = 60^\circ$	$b = 4 \text{ cm}$

Kongruenz-Bingo (36)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\alpha = 30^\circ$	$b = 7 \text{ cm}$	$\beta = 120^\circ$	$c = 2 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 40^\circ$
$b = 10 \text{ cm}$	$a = 1 \text{ cm}$	$\alpha = 80^\circ$	$\beta = 45^\circ$	$a = 5 \text{ cm}$	$\beta = 90^\circ$
$\alpha = 120^\circ$	$a = 2 \text{ cm}$	$a = 3 \text{ cm}$	$c = 2 \text{ cm}$	$\alpha = 50^\circ$	$\beta = 50^\circ$
$\beta = 70^\circ$	$b = 5 \text{ cm}$	$a = 8 \text{ cm}$	$\gamma = 40^\circ$	$b = 9 \text{ cm}$	$a = 10 \text{ cm}$
$\alpha = 60^\circ$	$b = 1 \text{ cm}$	$b = 1 \text{ cm}$	$\beta = 100^\circ$	$\alpha = 10^\circ$	$\alpha = 20^\circ$
$b = 10 \text{ cm}$	$b = 2 \text{ cm}$	$b = 3 \text{ cm}$	$b = 3 \text{ cm}$	$c = 4 \text{ cm}$	$a = 7 \text{ cm}$
$\alpha = 50^\circ$	$\alpha = 30^\circ$	$\alpha = 120^\circ$	$c = 6 \text{ cm}$	$c = 6 \text{ cm}$	$\beta = 30^\circ$
$c = 10 \text{ cm}$	$\gamma = 100^\circ$	$c = 3 \text{ cm}$	$\beta = 50^\circ$	$a = 6 \text{ cm}$	$b = 2 \text{ cm}$
$\beta = 70^\circ$	$\gamma = 50^\circ$	$c = 1 \text{ cm}$	$\beta = 120^\circ$	$\alpha = 80^\circ$	$a = 4 \text{ cm}$
$c = 9 \text{ cm}$	$\beta = 20^\circ$	$\alpha = 45^\circ$	$\gamma = 100^\circ$	$c = 8 \text{ cm}$	$\alpha = 140^\circ$
$b = 4 \text{ cm}$	$c = 10 \text{ cm}$	$\gamma = 90^\circ$	$\alpha = 140^\circ$	$\beta = 100^\circ$	$a = 4 \text{ cm}$
$b = 6 \text{ cm}$	$\beta = 45^\circ$	$c = 7 \text{ cm}$	$b = 5 \text{ cm}$	$\gamma = 120^\circ$	$\gamma = 120^\circ$
$\gamma = 75^\circ$	$\alpha = 20^\circ$	$b = 8 \text{ cm}$	$c = 9 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 60^\circ$
$a = 10 \text{ cm}$	$\gamma = 90^\circ$	$\beta = 140^\circ$	$\alpha = 45^\circ$	$c = 5 \text{ cm}$	$\beta = 30^\circ$
$\beta = 60^\circ$	$c = 3 \text{ cm}$	$b = 7 \text{ cm}$	$\beta = 20^\circ$	$b = 9 \text{ cm}$	$a = 1 \text{ cm}$
$\gamma = 50^\circ$	$a = 6 \text{ cm}$	$\gamma = 75^\circ$	$\alpha = 90^\circ$	$\gamma = 130^\circ$	$\beta = 60^\circ$
$\alpha = 60^\circ$	$a = 8 \text{ cm}$	$a = 3 \text{ cm}$	$a = 2 \text{ cm}$	$c = 4 \text{ cm}$	$\gamma = 60^\circ$
$\alpha = 90^\circ$	$a = 5 \text{ cm}$	$\beta = 140^\circ$	$c = 1 \text{ cm}$	$c = 5 \text{ cm}$	$\gamma = 10^\circ$
$\beta = 90^\circ$	$a = 7 \text{ cm}$	$c = 8 \text{ cm}$	$b = 4 \text{ cm}$	$b = 6 \text{ cm}$	$c = 7 \text{ cm}$
$\gamma = 110^\circ$	$\gamma = 130^\circ$	$\gamma = 110^\circ$	$b = 8 \text{ cm}$	$\alpha = 10^\circ$	$\gamma = 10^\circ$

Kongruenz-Bingo (37)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$a = 7 \text{ cm}$	$b = 3 \text{ cm}$	$\alpha = 50^\circ$	$b = 6 \text{ cm}$	$b = 8 \text{ cm}$	$\gamma = 50^\circ$
$c = 9 \text{ cm}$	$c = 7 \text{ cm}$	$\alpha = 60^\circ$	$\gamma = 90^\circ$	$\gamma = 75^\circ$	$\gamma = 40^\circ$
$\beta = 45^\circ$	$c = 4 \text{ cm}$	$\alpha = 45^\circ$	$\beta = 20^\circ$	$c = 3 \text{ cm}$	$\alpha = 120^\circ$
$b = 5 \text{ cm}$	$b = 1 \text{ cm}$	$c = 2 \text{ cm}$	$\gamma = 10^\circ$	$a = 7 \text{ cm}$	$\alpha = 10^\circ$
$\alpha = 80^\circ$	$\gamma = 75^\circ$	$a = 4 \text{ cm}$	$\beta = 90^\circ$	$\gamma = 110^\circ$	$\gamma = 40^\circ$
$\gamma = 100^\circ$	$a = 9 \text{ cm}$	$c = 8 \text{ cm}$	$\beta = 140^\circ$	$b = 5 \text{ cm}$	$b = 7 \text{ cm}$
$\beta = 60^\circ$	$b = 4 \text{ cm}$	$\alpha = 50^\circ$	$b = 6 \text{ cm}$	$\gamma = 120^\circ$	$b = 2 \text{ cm}$
$c = 3 \text{ cm}$	$c = 1 \text{ cm}$	$c = 10 \text{ cm}$	$\gamma = 110^\circ$	$\beta = 70^\circ$	$c = 5 \text{ cm}$
$\alpha = 140^\circ$	$\alpha = 60^\circ$	$c = 9 \text{ cm}$	$\beta = 50^\circ$	$\alpha = 140^\circ$	$\gamma = 90^\circ$
$c = 8 \text{ cm}$	$\beta = 20^\circ$	$c = 10 \text{ cm}$	$b = 3 \text{ cm}$	$c = 6 \text{ cm}$	$\beta = 100^\circ$
$\beta = 140^\circ$	$\alpha = 20^\circ$	$\alpha = 120^\circ$	$\beta = 60^\circ$	$\beta = 45^\circ$	$\gamma = 60^\circ$
$\gamma = 130^\circ$	$a = 10 \text{ cm}$	$a = 8 \text{ cm}$	$a = 5 \text{ cm}$	$b = 9 \text{ cm}$	$b = 2 \text{ cm}$
$c = 7 \text{ cm}$	$a = 3 \text{ cm}$	$\beta = 120^\circ$	$b = 4 \text{ cm}$	$a = 8 \text{ cm}$	$\gamma = 10^\circ$
$c = 5 \text{ cm}$	$b = 7 \text{ cm}$	$b = 9 \text{ cm}$	$\alpha = 80^\circ$	$\beta = 90^\circ$	$\gamma = 130^\circ$
$a = 4 \text{ cm}$	$b = 1 \text{ cm}$	$\gamma = 100^\circ$	$a = 6 \text{ cm}$	$\alpha = 30^\circ$	$\alpha = 10^\circ$
$a = 1 \text{ cm}$	$a = 6 \text{ cm}$	$b = 10 \text{ cm}$	$a = 1 \text{ cm}$	$\beta = 70^\circ$	$\beta = 100^\circ$
$a = 3 \text{ cm}$	$c = 2 \text{ cm}$	$b = 8 \text{ cm}$	$\gamma = 60^\circ$	$b = 10 \text{ cm}$	$a = 2 \text{ cm}$
$a = 5 \text{ cm}$	$c = 1 \text{ cm}$	$a = 10 \text{ cm}$	$a = 2 \text{ cm}$	$\beta = 30^\circ$	$\gamma = 50^\circ$
$c = 4 \text{ cm}$	$\alpha = 45^\circ$	$\beta = 120^\circ$	$\beta = 30^\circ$	$\beta = 50^\circ$	$\alpha = 90^\circ$
$\alpha = 20^\circ$	$c = 6 \text{ cm}$	$\alpha = 30^\circ$	$\alpha = 90^\circ$	$\gamma = 120^\circ$	$a = 9 \text{ cm}$

Kongruenz-Bingo (38)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$a = 4 \text{ cm}$	$\beta = 140^\circ$	$b = 7 \text{ cm}$	$\alpha = 45^\circ$	$b = 2 \text{ cm}$	$\beta = 100^\circ$
$\gamma = 10^\circ$	$a = 1 \text{ cm}$	$\gamma = 50^\circ$	$a = 7 \text{ cm}$	$b = 8 \text{ cm}$	$c = 3 \text{ cm}$
$a = 1 \text{ cm}$	$\alpha = 120^\circ$	$\alpha = 50^\circ$	$b = 5 \text{ cm}$	$a = 10 \text{ cm}$	$c = 7 \text{ cm}$
$\gamma = 100^\circ$	$b = 4 \text{ cm}$	$b = 10 \text{ cm}$	$a = 6 \text{ cm}$	$\gamma = 90^\circ$	$\beta = 50^\circ$
$\alpha = 140^\circ$	$\alpha = 10^\circ$	$\gamma = 130^\circ$	$\beta = 120^\circ$	$c = 3 \text{ cm}$	$\gamma = 120^\circ$
$a = 6 \text{ cm}$	$c = 5 \text{ cm}$	$c = 1 \text{ cm}$	$b = 9 \text{ cm}$	$\gamma = 130^\circ$	$c = 9 \text{ cm}$
$a = 4 \text{ cm}$	$\beta = 30^\circ$	$a = 8 \text{ cm}$	$\beta = 30^\circ$	$b = 3 \text{ cm}$	$c = 4 \text{ cm}$
$\gamma = 50^\circ$	$\beta = 70^\circ$	$b = 10 \text{ cm}$	$\alpha = 140^\circ$	$\alpha = 60^\circ$	$a = 9 \text{ cm}$
$c = 10 \text{ cm}$	$c = 6 \text{ cm}$	$\gamma = 75^\circ$	$\beta = 120^\circ$	$b = 1 \text{ cm}$	$\beta = 60^\circ$
$\beta = 100^\circ$	$\alpha = 80^\circ$	$\beta = 90^\circ$	$\gamma = 60^\circ$	$\beta = 45^\circ$	$\gamma = 110^\circ$
$\alpha = 10^\circ$	$a = 2 \text{ cm}$	$\beta = 20^\circ$	$c = 6 \text{ cm}$	$a = 10 \text{ cm}$	$b = 8 \text{ cm}$
$\beta = 50^\circ$	$c = 5 \text{ cm}$	$\alpha = 50^\circ$	$\alpha = 90^\circ$	$a = 3 \text{ cm}$	$\gamma = 40^\circ$
$\beta = 70^\circ$	$\beta = 60^\circ$	$a = 5 \text{ cm}$	$\beta = 90^\circ$	$\beta = 45^\circ$	$b = 3 \text{ cm}$
$c = 1 \text{ cm}$	$\gamma = 110^\circ$	$\gamma = 90^\circ$	$b = 9 \text{ cm}$	$\alpha = 45^\circ$	$a = 8 \text{ cm}$
$b = 6 \text{ cm}$	$b = 2 \text{ cm}$	$\gamma = 40^\circ$	$c = 10 \text{ cm}$	$c = 2 \text{ cm}$	$a = 3 \text{ cm}$
$\alpha = 60^\circ$	$b = 7 \text{ cm}$	$\gamma = 10^\circ$	$\alpha = 30^\circ$	$\gamma = 75^\circ$	$\alpha = 90^\circ$
$\gamma = 120^\circ$	$c = 9 \text{ cm}$	$\gamma = 60^\circ$	$\beta = 140^\circ$	$\alpha = 20^\circ$	$c = 4 \text{ cm}$
$\gamma = 100^\circ$	$c = 8 \text{ cm}$	$b = 4 \text{ cm}$	$\beta = 20^\circ$	$c = 2 \text{ cm}$	$a = 9 \text{ cm}$
$b = 5 \text{ cm}$	$\alpha = 20^\circ$	$c = 7 \text{ cm}$	$\alpha = 80^\circ$	$b = 1 \text{ cm}$	$b = 6 \text{ cm}$
$c = 8 \text{ cm}$	$a = 5 \text{ cm}$	$a = 7 \text{ cm}$	$\alpha = 30^\circ$	$a = 2 \text{ cm}$	$\alpha = 120^\circ$

Kongruenz-Bingo (39)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$c = 2 \text{ cm}$	$c = 9 \text{ cm}$	$\alpha = 80^\circ$	$\beta = 20^\circ$	$c = 10 \text{ cm}$	$\gamma = 75^\circ$
$\beta = 90^\circ$	$\alpha = 30^\circ$	$a = 6 \text{ cm}$	$c = 2 \text{ cm}$	$\beta = 60^\circ$	$c = 1 \text{ cm}$
$b = 1 \text{ cm}$	$b = 3 \text{ cm}$	$b = 10 \text{ cm}$	$\beta = 45^\circ$	$b = 8 \text{ cm}$	$\beta = 100^\circ$
$b = 7 \text{ cm}$	$c = 6 \text{ cm}$	$a = 2 \text{ cm}$	$\alpha = 30^\circ$	$a = 1 \text{ cm}$	$\gamma = 100^\circ$
$\gamma = 90^\circ$	$\gamma = 90^\circ$	$c = 8 \text{ cm}$	$\alpha = 45^\circ$	$a = 2 \text{ cm}$	$b = 6 \text{ cm}$
$\gamma = 110^\circ$	$\alpha = 80^\circ$	$\gamma = 50^\circ$	$a = 7 \text{ cm}$	$c = 7 \text{ cm}$	$\beta = 100^\circ$
$a = 4 \text{ cm}$	$\gamma = 75^\circ$	$b = 9 \text{ cm}$	$a = 7 \text{ cm}$	$\beta = 70^\circ$	$\alpha = 10^\circ$
$b = 9 \text{ cm}$	$b = 4 \text{ cm}$	$a = 5 \text{ cm}$	$b = 1 \text{ cm}$	$a = 3 \text{ cm}$	$c = 9 \text{ cm}$
$c = 5 \text{ cm}$	$c = 1 \text{ cm}$	$\alpha = 45^\circ$	$\beta = 30^\circ$	$c = 4 \text{ cm}$	$\beta = 140^\circ$
$b = 6 \text{ cm}$	$\alpha = 90^\circ$	$\gamma = 50^\circ$	$\gamma = 130^\circ$	$\alpha = 20^\circ$	$a = 6 \text{ cm}$
$b = 2 \text{ cm}$	$\alpha = 140^\circ$	$\alpha = 140^\circ$	$b = 8 \text{ cm}$	$c = 6 \text{ cm}$	$a = 1 \text{ cm}$
$\beta = 70^\circ$	$c = 10 \text{ cm}$	$\alpha = 20^\circ$	$\alpha = 60^\circ$	$b = 5 \text{ cm}$	$\alpha = 90^\circ$
$\gamma = 60^\circ$	$b = 3 \text{ cm}$	$\gamma = 120^\circ$	$b = 4 \text{ cm}$	$c = 3 \text{ cm}$	$c = 3 \text{ cm}$
$a = 10 \text{ cm}$	$\beta = 20^\circ$	$b = 2 \text{ cm}$	$\gamma = 100^\circ$	$\beta = 140^\circ$	$c = 5 \text{ cm}$
$\alpha = 60^\circ$	$b = 5 \text{ cm}$	$\beta = 60^\circ$	$\gamma = 120^\circ$	$a = 4 \text{ cm}$	$\beta = 90^\circ$
$\gamma = 110^\circ$	$\gamma = 60^\circ$	$\alpha = 120^\circ$	$c = 4 \text{ cm}$	$a = 3 \text{ cm}$	$a = 9 \text{ cm}$
$\alpha = 50^\circ$	$\beta = 120^\circ$	$a = 8 \text{ cm}$	$\alpha = 10^\circ$	$a = 9 \text{ cm}$	$\beta = 30^\circ$
$\gamma = 10^\circ$	$\beta = 50^\circ$	$\beta = 120^\circ$	$\beta = 50^\circ$	$c = 7 \text{ cm}$	$\gamma = 40^\circ$
$b = 7 \text{ cm}$	$a = 10 \text{ cm}$	$a = 5 \text{ cm}$	$\alpha = 50^\circ$	$c = 8 \text{ cm}$	$a = 8 \text{ cm}$
$b = 10 \text{ cm}$	$\gamma = 10^\circ$	$\gamma = 130^\circ$	$\gamma = 40^\circ$	$\alpha = 120^\circ$	$\beta = 45^\circ$

Kongruenz-Bingo (40)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\gamma = 90^\circ$	$c = 3 \text{ cm}$	$\alpha = 45^\circ$	$\beta = 100^\circ$	$\alpha = 45^\circ$	$b = 10 \text{ cm}$
$\beta = 30^\circ$	$\gamma = 50^\circ$	$b = 9 \text{ cm}$	$\alpha = 10^\circ$	$c = 2 \text{ cm}$	$\beta = 140^\circ$
$b = 5 \text{ cm}$	$\beta = 140^\circ$	$c = 4 \text{ cm}$	$a = 10 \text{ cm}$	$c = 7 \text{ cm}$	$b = 8 \text{ cm}$
$c = 10 \text{ cm}$	$\gamma = 100^\circ$	$b = 1 \text{ cm}$	$a = 5 \text{ cm}$	$\alpha = 140^\circ$	$c = 2 \text{ cm}$
$b = 7 \text{ cm}$	$b = 7 \text{ cm}$	$\gamma = 130^\circ$	$a = 1 \text{ cm}$	$\alpha = 90^\circ$	$a = 7 \text{ cm}$
$\alpha = 20^\circ$	$a = 5 \text{ cm}$	$\gamma = 90^\circ$	$b = 6 \text{ cm}$	$a = 8 \text{ cm}$	$c = 5 \text{ cm}$
$\alpha = 20^\circ$	$c = 8 \text{ cm}$	$\gamma = 40^\circ$	$c = 8 \text{ cm}$	$b = 3 \text{ cm}$	$\gamma = 60^\circ$
$\alpha = 140^\circ$	$a = 7 \text{ cm}$	$\gamma = 60^\circ$	$a = 3 \text{ cm}$	$a = 6 \text{ cm}$	$a = 6 \text{ cm}$
$\alpha = 80^\circ$	$\beta = 70^\circ$	$c = 10 \text{ cm}$	$\beta = 60^\circ$	$c = 7 \text{ cm}$	$\alpha = 60^\circ$
$\alpha = 10^\circ$	$\beta = 50^\circ$	$\beta = 100^\circ$	$\alpha = 80^\circ$	$c = 1 \text{ cm}$	$b = 9 \text{ cm}$
$a = 4 \text{ cm}$	$a = 2 \text{ cm}$	$\gamma = 75^\circ$	$\gamma = 75^\circ$	$b = 2 \text{ cm}$	$\beta = 70^\circ$
$\beta = 90^\circ$	$\alpha = 120^\circ$	$a = 8 \text{ cm}$	$\beta = 90^\circ$	$\alpha = 90^\circ$	$\beta = 60^\circ$
$b = 8 \text{ cm}$	$c = 6 \text{ cm}$	$\alpha = 50^\circ$	$a = 9 \text{ cm}$	$\beta = 120^\circ$	$b = 2 \text{ cm}$
$a = 3 \text{ cm}$	$\gamma = 10^\circ$	$c = 6 \text{ cm}$	$b = 4 \text{ cm}$	$b = 6 \text{ cm}$	$a = 9 \text{ cm}$
$a = 4 \text{ cm}$	$\alpha = 120^\circ$	$c = 4 \text{ cm}$	$\beta = 120^\circ$	$c = 3 \text{ cm}$	$\gamma = 10^\circ$
$\gamma = 130^\circ$	$a = 1 \text{ cm}$	$\alpha = 30^\circ$	$\gamma = 110^\circ$	$\beta = 30^\circ$	$b = 4 \text{ cm}$
$\gamma = 100^\circ$	$\beta = 20^\circ$	$\beta = 20^\circ$	$b = 1 \text{ cm}$	$c = 5 \text{ cm}$	$\gamma = 110^\circ$
$b = 3 \text{ cm}$	$\beta = 50^\circ$	$\gamma = 40^\circ$	$\beta = 45^\circ$	$\gamma = 120^\circ$	$b = 10 \text{ cm}$
$\alpha = 50^\circ$	$\alpha = 30^\circ$	$\alpha = 60^\circ$	$c = 9 \text{ cm}$	$b = 5 \text{ cm}$	$\beta = 45^\circ$
$a = 10 \text{ cm}$	$\gamma = 50^\circ$	$c = 1 \text{ cm}$	$\gamma = 120^\circ$	$a = 2 \text{ cm}$	$c = 9 \text{ cm}$

Kongruenz-Bingo (41)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$c = 7 \text{ cm}$	$\beta = 50^\circ$	$\alpha = 140^\circ$	$c = 3 \text{ cm}$	$a = 5 \text{ cm}$	$b = 6 \text{ cm}$
$b = 7 \text{ cm}$	$c = 6 \text{ cm}$	$\beta = 70^\circ$	$b = 5 \text{ cm}$	$\gamma = 10^\circ$	$b = 4 \text{ cm}$
$\gamma = 130^\circ$	$c = 8 \text{ cm}$	$\beta = 20^\circ$	$\alpha = 140^\circ$	$\gamma = 90^\circ$	$c = 1 \text{ cm}$
$a = 9 \text{ cm}$	$\alpha = 50^\circ$	$\beta = 50^\circ$	$\beta = 70^\circ$	$\gamma = 90^\circ$	$\gamma = 120^\circ$
$a = 1 \text{ cm}$	$\beta = 45^\circ$	$a = 9 \text{ cm}$	$\alpha = 120^\circ$	$\alpha = 30^\circ$	$\gamma = 100^\circ$
$b = 10 \text{ cm}$	$\beta = 90^\circ$	$b = 5 \text{ cm}$	$\gamma = 75^\circ$	$a = 8 \text{ cm}$	$c = 8 \text{ cm}$
$\alpha = 60^\circ$	$\gamma = 40^\circ$	$a = 1 \text{ cm}$	$\gamma = 10^\circ$	$a = 10 \text{ cm}$	$c = 6 \text{ cm}$
$\alpha = 10^\circ$	$\alpha = 10^\circ$	$b = 2 \text{ cm}$	$\gamma = 110^\circ$	$\beta = 30^\circ$	$b = 9 \text{ cm}$
$c = 5 \text{ cm}$	$\beta = 90^\circ$	$b = 3 \text{ cm}$	$\gamma = 60^\circ$	$a = 3 \text{ cm}$	$a = 6 \text{ cm}$
$c = 4 \text{ cm}$	$\gamma = 110^\circ$	$c = 9 \text{ cm}$	$b = 10 \text{ cm}$	$\beta = 60^\circ$	$b = 8 \text{ cm}$
$b = 8 \text{ cm}$	$b = 4 \text{ cm}$	$\alpha = 30^\circ$	$b = 7 \text{ cm}$	$a = 7 \text{ cm}$	$a = 2 \text{ cm}$
$\alpha = 90^\circ$	$a = 4 \text{ cm}$	$\beta = 140^\circ$	$\alpha = 120^\circ$	$\beta = 45^\circ$	$\beta = 30^\circ$
$c = 7 \text{ cm}$	$\alpha = 80^\circ$	$a = 8 \text{ cm}$	$\alpha = 20^\circ$	$c = 1 \text{ cm}$	$\alpha = 50^\circ$
$\alpha = 60^\circ$	$\beta = 140^\circ$	$\beta = 100^\circ$	$\gamma = 75^\circ$	$c = 2 \text{ cm}$	$b = 3 \text{ cm}$
$\beta = 20^\circ$	$a = 7 \text{ cm}$	$\gamma = 40^\circ$	$\alpha = 45^\circ$	$\alpha = 90^\circ$	$c = 2 \text{ cm}$
$\beta = 120^\circ$	$b = 1 \text{ cm}$	$a = 4 \text{ cm}$	$\gamma = 50^\circ$	$b = 2 \text{ cm}$	$\alpha = 20^\circ$
$a = 6 \text{ cm}$	$\alpha = 45^\circ$	$c = 9 \text{ cm}$	$\gamma = 130^\circ$	$\gamma = 50^\circ$	$\alpha = 80^\circ$
$\gamma = 120^\circ$	$b = 9 \text{ cm}$	$\gamma = 60^\circ$	$a = 5 \text{ cm}$	$b = 6 \text{ cm}$	$c = 10 \text{ cm}$
$\gamma = 100^\circ$	$a = 3 \text{ cm}$	$c = 10 \text{ cm}$	$\beta = 100^\circ$	$c = 4 \text{ cm}$	$c = 5 \text{ cm}$
$c = 3 \text{ cm}$	$a = 2 \text{ cm}$	$\beta = 120^\circ$	$a = 10 \text{ cm}$	$\beta = 60^\circ$	$b = 1 \text{ cm}$

Kongruenz-Bingo (42)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\beta = 90^\circ$	$c = 10 \text{ cm}$	$\beta = 90^\circ$	$a = 3 \text{ cm}$	$\beta = 20^\circ$	$\beta = 70^\circ$
$c = 10 \text{ cm}$	$\beta = 45^\circ$	$\beta = 50^\circ$	$a = 5 \text{ cm}$	$b = 6 \text{ cm}$	$b = 2 \text{ cm}$
$a = 5 \text{ cm}$	$\alpha = 80^\circ$	$a = 4 \text{ cm}$	$\gamma = 60^\circ$	$\beta = 45^\circ$	$\beta = 100^\circ$
$\beta = 100^\circ$	$c = 2 \text{ cm}$	$\gamma = 60^\circ$	$\gamma = 100^\circ$	$\alpha = 50^\circ$	$\beta = 120^\circ$
$\beta = 60^\circ$	$b = 2 \text{ cm}$	$a = 8 \text{ cm}$	$c = 6 \text{ cm}$	$c = 3 \text{ cm}$	$\gamma = 100^\circ$
$\gamma = 120^\circ$	$b = 10 \text{ cm}$	$\gamma = 130^\circ$	$a = 6 \text{ cm}$	$b = 1 \text{ cm}$	$\beta = 30^\circ$
$\beta = 70^\circ$	$\beta = 50^\circ$	$b = 4 \text{ cm}$	$\gamma = 50^\circ$	$c = 5 \text{ cm}$	$\alpha = 140^\circ$
$b = 9 \text{ cm}$	$\alpha = 30^\circ$	$a = 3 \text{ cm}$	$b = 7 \text{ cm}$	$b = 7 \text{ cm}$	$\alpha = 60^\circ$
$c = 3 \text{ cm}$	$\alpha = 30^\circ$	$\gamma = 110^\circ$	$c = 8 \text{ cm}$	$\alpha = 80^\circ$	$c = 9 \text{ cm}$
$\beta = 140^\circ$	$b = 8 \text{ cm}$	$b = 6 \text{ cm}$	$\alpha = 20^\circ$	$\gamma = 10^\circ$	$c = 2 \text{ cm}$
$\alpha = 45^\circ$	$b = 3 \text{ cm}$	$\alpha = 90^\circ$	$\beta = 20^\circ$	$\gamma = 75^\circ$	$a = 1 \text{ cm}$
$b = 5 \text{ cm}$	$b = 4 \text{ cm}$	$\beta = 60^\circ$	$a = 7 \text{ cm}$	$b = 5 \text{ cm}$	$\gamma = 75^\circ$
$a = 9 \text{ cm}$	$\alpha = 45^\circ$	$a = 9 \text{ cm}$	$\alpha = 20^\circ$	$\gamma = 120^\circ$	$c = 4 \text{ cm}$
$c = 9 \text{ cm}$	$\alpha = 10^\circ$	$a = 4 \text{ cm}$	$a = 7 \text{ cm}$	$a = 2 \text{ cm}$	$c = 1 \text{ cm}$
$a = 2 \text{ cm}$	$a = 1 \text{ cm}$	$\alpha = 120^\circ$	$c = 6 \text{ cm}$	$\gamma = 90^\circ$	$\gamma = 90^\circ$
$b = 1 \text{ cm}$	$\gamma = 110^\circ$	$\alpha = 140^\circ$	$c = 1 \text{ cm}$	$\gamma = 130^\circ$	$a = 10 \text{ cm}$
$\alpha = 120^\circ$	$b = 10 \text{ cm}$	$\alpha = 50^\circ$	$a = 10 \text{ cm}$	$\gamma = 50^\circ$	$a = 8 \text{ cm}$
$c = 7 \text{ cm}$	$b = 9 \text{ cm}$	$\gamma = 10^\circ$	$c = 7 \text{ cm}$	$\alpha = 90^\circ$	$c = 4 \text{ cm}$
$\beta = 30^\circ$	$b = 3 \text{ cm}$	$c = 8 \text{ cm}$	$c = 5 \text{ cm}$	$b = 8 \text{ cm}$	$\beta = 140^\circ$
$\alpha = 60^\circ$	$a = 6 \text{ cm}$	$\gamma = 40^\circ$	$\gamma = 40^\circ$	$\beta = 120^\circ$	$\alpha = 10^\circ$

Kongruenz-Bingo (43)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$a = 8 \text{ cm}$	$\alpha = 90^\circ$	$c = 1 \text{ cm}$	$c = 4 \text{ cm}$	$a = 5 \text{ cm}$	$\beta = 30^\circ$
$\gamma = 100^\circ$	$a = 2 \text{ cm}$	$\alpha = 80^\circ$	$\beta = 70^\circ$	$c = 7 \text{ cm}$	$\beta = 120^\circ$
$\gamma = 60^\circ$	$a = 3 \text{ cm}$	$\beta = 60^\circ$	$a = 6 \text{ cm}$	$a = 5 \text{ cm}$	$\beta = 100^\circ$
$a = 1 \text{ cm}$	$b = 1 \text{ cm}$	$\alpha = 90^\circ$	$b = 8 \text{ cm}$	$\alpha = 50^\circ$	$\beta = 60^\circ$
$\alpha = 30^\circ$	$a = 8 \text{ cm}$	$\gamma = 10^\circ$	$b = 7 \text{ cm}$	$\beta = 30^\circ$	$\alpha = 140^\circ$
$\beta = 140^\circ$	$b = 8 \text{ cm}$	$\gamma = 110^\circ$	$\alpha = 80^\circ$	$\beta = 120^\circ$	$\alpha = 20^\circ$
$\beta = 90^\circ$	$\gamma = 130^\circ$	$c = 9 \text{ cm}$	$\beta = 50^\circ$	$b = 6 \text{ cm}$	$\gamma = 60^\circ$
$a = 4 \text{ cm}$	$c = 7 \text{ cm}$	$\alpha = 30^\circ$	$b = 2 \text{ cm}$	$\gamma = 110^\circ$	$a = 10 \text{ cm}$
$b = 9 \text{ cm}$	$\gamma = 130^\circ$	$a = 6 \text{ cm}$	$\beta = 100^\circ$	$b = 4 \text{ cm}$	$b = 2 \text{ cm}$
$\beta = 45^\circ$	$b = 3 \text{ cm}$	$c = 6 \text{ cm}$	$a = 4 \text{ cm}$	$b = 6 \text{ cm}$	$\gamma = 75^\circ$
$b = 10 \text{ cm}$	$\alpha = 50^\circ$	$a = 3 \text{ cm}$	$a = 1 \text{ cm}$	$c = 8 \text{ cm}$	$c = 1 \text{ cm}$
$\alpha = 10^\circ$	$\gamma = 40^\circ$	$b = 3 \text{ cm}$	$\gamma = 50^\circ$	$\gamma = 120^\circ$	$b = 5 \text{ cm}$
$c = 5 \text{ cm}$	$\alpha = 60^\circ$	$a = 9 \text{ cm}$	$\gamma = 90^\circ$	$c = 3 \text{ cm}$	$b = 5 \text{ cm}$
$\alpha = 120^\circ$	$\gamma = 120^\circ$	$\alpha = 45^\circ$	$b = 1 \text{ cm}$	$\alpha = 20^\circ$	$c = 2 \text{ cm}$
$b = 7 \text{ cm}$	$a = 7 \text{ cm}$	$\gamma = 75^\circ$	$b = 9 \text{ cm}$	$\gamma = 50^\circ$	$\alpha = 10^\circ$
$a = 2 \text{ cm}$	$c = 8 \text{ cm}$	$\beta = 140^\circ$	$\alpha = 140^\circ$	$a = 10 \text{ cm}$	$\alpha = 45^\circ$
$a = 9 \text{ cm}$	$c = 10 \text{ cm}$	$\alpha = 120^\circ$	$\beta = 70^\circ$	$\beta = 50^\circ$	$\beta = 45^\circ$
$b = 10 \text{ cm}$	$b = 4 \text{ cm}$	$\beta = 20^\circ$	$\gamma = 10^\circ$	$c = 5 \text{ cm}$	$c = 3 \text{ cm}$
$\gamma = 100^\circ$	$\beta = 20^\circ$	$c = 4 \text{ cm}$	$c = 2 \text{ cm}$	$c = 9 \text{ cm}$	$\alpha = 60^\circ$
$\beta = 90^\circ$	$\gamma = 40^\circ$	$\gamma = 90^\circ$	$a = 7 \text{ cm}$	$c = 10 \text{ cm}$	$c = 6 \text{ cm}$

Kongruenz-Bingo (44)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$a = 1 \text{ cm}$	$\alpha = 45^\circ$	$\gamma = 75^\circ$	$b = 6 \text{ cm}$	$\gamma = 75^\circ$	$b = 1 \text{ cm}$
$\alpha = 80^\circ$	$a = 4 \text{ cm}$	$c = 1 \text{ cm}$	$\gamma = 40^\circ$	$a = 7 \text{ cm}$	$c = 3 \text{ cm}$
$b = 8 \text{ cm}$	$\beta = 90^\circ$	$\alpha = 10^\circ$	$a = 9 \text{ cm}$	$\alpha = 80^\circ$	$\alpha = 20^\circ$
$\beta = 30^\circ$	$\beta = 120^\circ$	$\alpha = 20^\circ$	$c = 10 \text{ cm}$	$a = 8 \text{ cm}$	$a = 2 \text{ cm}$
$\beta = 60^\circ$	$\beta = 60^\circ$	$b = 4 \text{ cm}$	$\beta = 100^\circ$	$\gamma = 60^\circ$	$c = 9 \text{ cm}$
$\gamma = 130^\circ$	$a = 6 \text{ cm}$	$\alpha = 90^\circ$	$\gamma = 60^\circ$	$c = 7 \text{ cm}$	$a = 6 \text{ cm}$
$a = 5 \text{ cm}$	$\alpha = 120^\circ$	$b = 8 \text{ cm}$	$\beta = 70^\circ$	$\beta = 30^\circ$	$b = 6 \text{ cm}$
$a = 2 \text{ cm}$	$\beta = 50^\circ$	$\gamma = 50^\circ$	$c = 8 \text{ cm}$	$a = 7 \text{ cm}$	$\beta = 50^\circ$
$c = 5 \text{ cm}$	$b = 4 \text{ cm}$	$\alpha = 140^\circ$	$\gamma = 40^\circ$	$c = 6 \text{ cm}$	$\gamma = 50^\circ$
$a = 1 \text{ cm}$	$\alpha = 120^\circ$	$\alpha = 60^\circ$	$\gamma = 90^\circ$	$\alpha = 50^\circ$	$\beta = 140^\circ$
$a = 9 \text{ cm}$	$\beta = 45^\circ$	$\alpha = 30^\circ$	$\beta = 20^\circ$	$\gamma = 110^\circ$	$a = 8 \text{ cm}$
$\gamma = 100^\circ$	$\beta = 20^\circ$	$c = 9 \text{ cm}$	$c = 8 \text{ cm}$	$\gamma = 90^\circ$	$\gamma = 130^\circ$
$\alpha = 30^\circ$	$b = 3 \text{ cm}$	$b = 9 \text{ cm}$	$\alpha = 140^\circ$	$\beta = 70^\circ$	$c = 10 \text{ cm}$
$\gamma = 10^\circ$	$c = 2 \text{ cm}$	$b = 2 \text{ cm}$	$\alpha = 50^\circ$	$b = 3 \text{ cm}$	$\gamma = 100^\circ$
$c = 4 \text{ cm}$	$c = 3 \text{ cm}$	$\alpha = 10^\circ$	$\beta = 45^\circ$	$\beta = 120^\circ$	$\beta = 90^\circ$
$c = 1 \text{ cm}$	$b = 7 \text{ cm}$	$b = 5 \text{ cm}$	$b = 1 \text{ cm}$	$c = 2 \text{ cm}$	$a = 10 \text{ cm}$
$c = 7 \text{ cm}$	$\alpha = 90^\circ$	$c = 6 \text{ cm}$	$b = 10 \text{ cm}$	$b = 7 \text{ cm}$	$\gamma = 120^\circ$
$b = 9 \text{ cm}$	$\gamma = 120^\circ$	$a = 5 \text{ cm}$	$\beta = 100^\circ$	$b = 5 \text{ cm}$	$\gamma = 10^\circ$
$\alpha = 60^\circ$	$c = 5 \text{ cm}$	$a = 3 \text{ cm}$	$a = 4 \text{ cm}$	$c = 4 \text{ cm}$	$a = 3 \text{ cm}$
$\gamma = 110^\circ$	$b = 2 \text{ cm}$	$a = 10 \text{ cm}$	$\alpha = 45^\circ$	$b = 10 \text{ cm}$	$\beta = 140^\circ$

Kongruenz-Bingo (45)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\beta = 45^\circ$	$\alpha = 50^\circ$	$c = 1 \text{ cm}$	$b = 9 \text{ cm}$	$c = 9 \text{ cm}$	$a = 4 \text{ cm}$
$\gamma = 120^\circ$	$\alpha = 90^\circ$	$c = 6 \text{ cm}$	$a = 8 \text{ cm}$	$\alpha = 60^\circ$	$\gamma = 50^\circ$
$\beta = 120^\circ$	$a = 8 \text{ cm}$	$\beta = 30^\circ$	$\beta = 60^\circ$	$b = 3 \text{ cm}$	$c = 4 \text{ cm}$
$\gamma = 90^\circ$	$c = 2 \text{ cm}$	$\gamma = 50^\circ$	$c = 2 \text{ cm}$	$\beta = 30^\circ$	$\beta = 45^\circ$
$c = 8 \text{ cm}$	$a = 10 \text{ cm}$	$a = 5 \text{ cm}$	$\alpha = 45^\circ$	$\gamma = 75^\circ$	$\alpha = 10^\circ$
$\gamma = 10^\circ$	$b = 5 \text{ cm}$	$\beta = 20^\circ$	$\alpha = 45^\circ$	$c = 7 \text{ cm}$	$a = 9 \text{ cm}$
$b = 4 \text{ cm}$	$c = 1 \text{ cm}$	$b = 7 \text{ cm}$	$\beta = 50^\circ$	$b = 2 \text{ cm}$	$\gamma = 110^\circ$
$\beta = 60^\circ$	$a = 2 \text{ cm}$	$\beta = 20^\circ$	$b = 9 \text{ cm}$	$b = 10 \text{ cm}$	$b = 3 \text{ cm}$
$c = 10 \text{ cm}$	$\beta = 70^\circ$	$\alpha = 80^\circ$	$\alpha = 30^\circ$	$b = 5 \text{ cm}$	$\gamma = 100^\circ$
$a = 10 \text{ cm}$	$\gamma = 75^\circ$	$b = 6 \text{ cm}$	$\beta = 100^\circ$	$b = 7 \text{ cm}$	$c = 3 \text{ cm}$
$\beta = 140^\circ$	$\alpha = 120^\circ$	$\beta = 140^\circ$	$a = 6 \text{ cm}$	$b = 4 \text{ cm}$	$\gamma = 130^\circ$
$b = 2 \text{ cm}$	$c = 4 \text{ cm}$	$\beta = 90^\circ$	$\gamma = 10^\circ$	$a = 4 \text{ cm}$	$\gamma = 60^\circ$
$\alpha = 80^\circ$	$a = 7 \text{ cm}$	$b = 8 \text{ cm}$	$\gamma = 40^\circ$	$a = 5 \text{ cm}$	$\beta = 90^\circ$
$a = 7 \text{ cm}$	$c = 9 \text{ cm}$	$\alpha = 30^\circ$	$\beta = 120^\circ$	$c = 10 \text{ cm}$	$c = 7 \text{ cm}$
$a = 9 \text{ cm}$	$\alpha = 140^\circ$	$\alpha = 60^\circ$	$\alpha = 90^\circ$	$a = 3 \text{ cm}$	$c = 3 \text{ cm}$
$\alpha = 140^\circ$	$a = 6 \text{ cm}$	$\beta = 100^\circ$	$a = 1 \text{ cm}$	$\gamma = 120^\circ$	$c = 6 \text{ cm}$
$\gamma = 60^\circ$	$c = 8 \text{ cm}$	$b = 8 \text{ cm}$	$\alpha = 20^\circ$	$\beta = 70^\circ$	$\alpha = 50^\circ$
$\alpha = 20^\circ$	$b = 10 \text{ cm}$	$a = 1 \text{ cm}$	$\gamma = 40^\circ$	$a = 3 \text{ cm}$	$\gamma = 90^\circ$
$b = 6 \text{ cm}$	$\alpha = 10^\circ$	$b = 1 \text{ cm}$	$b = 1 \text{ cm}$	$\alpha = 120^\circ$	$\gamma = 100^\circ$
$\beta = 50^\circ$	$a = 2 \text{ cm}$	$c = 5 \text{ cm}$	$\gamma = 130^\circ$	$c = 5 \text{ cm}$	$\gamma = 110^\circ$

Kongruenz-Bingo (46)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$b = 7 \text{ cm}$	$\gamma = 130^\circ$	$a = 1 \text{ cm}$	$c = 2 \text{ cm}$	$\alpha = 30^\circ$	$a = 5 \text{ cm}$
$\alpha = 50^\circ$	$\beta = 20^\circ$	$a = 7 \text{ cm}$	$\gamma = 120^\circ$	$\beta = 70^\circ$	$b = 2 \text{ cm}$
$\gamma = 130^\circ$	$a = 9 \text{ cm}$	$c = 6 \text{ cm}$	$b = 9 \text{ cm}$	$\gamma = 40^\circ$	$c = 10 \text{ cm}$
$a = 4 \text{ cm}$	$\beta = 120^\circ$	$\alpha = 45^\circ$	$b = 3 \text{ cm}$	$\gamma = 110^\circ$	$\alpha = 20^\circ$
$\beta = 120^\circ$	$\beta = 30^\circ$	$b = 4 \text{ cm}$	$c = 5 \text{ cm}$	$\gamma = 110^\circ$	$\alpha = 120^\circ$
$b = 4 \text{ cm}$	$b = 3 \text{ cm}$	$c = 7 \text{ cm}$	$a = 6 \text{ cm}$	$\alpha = 10^\circ$	$\beta = 100^\circ$
$c = 6 \text{ cm}$	$\beta = 140^\circ$	$\alpha = 90^\circ$	$\alpha = 45^\circ$	$\gamma = 120^\circ$	$\alpha = 50^\circ$
$\gamma = 100^\circ$	$a = 5 \text{ cm}$	$\beta = 140^\circ$	$\gamma = 90^\circ$	$b = 2 \text{ cm}$	$\gamma = 75^\circ$
$c = 5 \text{ cm}$	$c = 3 \text{ cm}$	$a = 10 \text{ cm}$	$b = 8 \text{ cm}$	$b = 1 \text{ cm}$	$\gamma = 10^\circ$
$\beta = 60^\circ$	$b = 1 \text{ cm}$	$\beta = 70^\circ$	$\beta = 90^\circ$	$\beta = 90^\circ$	$c = 9 \text{ cm}$
$\alpha = 140^\circ$	$a = 7 \text{ cm}$	$a = 8 \text{ cm}$	$\alpha = 60^\circ$	$b = 7 \text{ cm}$	$b = 6 \text{ cm}$
$\beta = 50^\circ$	$\gamma = 50^\circ$	$c = 3 \text{ cm}$	$a = 3 \text{ cm}$	$\gamma = 10^\circ$	$\gamma = 60^\circ$
$c = 4 \text{ cm}$	$c = 7 \text{ cm}$	$a = 10 \text{ cm}$	$\gamma = 90^\circ$	$a = 8 \text{ cm}$	$\gamma = 100^\circ$
$b = 5 \text{ cm}$	$\beta = 20^\circ$	$\beta = 60^\circ$	$\beta = 100^\circ$	$\gamma = 40^\circ$	$\gamma = 75^\circ$
$b = 9 \text{ cm}$	$c = 9 \text{ cm}$	$b = 6 \text{ cm}$	$a = 2 \text{ cm}$	$c = 1 \text{ cm}$	$\alpha = 120^\circ$
$b = 10 \text{ cm}$	$\alpha = 90^\circ$	$c = 8 \text{ cm}$	$\alpha = 80^\circ$	$c = 2 \text{ cm}$	$c = 4 \text{ cm}$
$\gamma = 60^\circ$	$\beta = 30^\circ$	$a = 4 \text{ cm}$	$\alpha = 60^\circ$	$b = 5 \text{ cm}$	$\alpha = 140^\circ$
$b = 8 \text{ cm}$	$a = 2 \text{ cm}$	$\alpha = 20^\circ$	$\gamma = 50^\circ$	$c = 10 \text{ cm}$	$\alpha = 30^\circ$
$a = 3 \text{ cm}$	$a = 6 \text{ cm}$	$\alpha = 80^\circ$	$c = 1 \text{ cm}$	$\beta = 45^\circ$	$a = 9 \text{ cm}$
$\alpha = 10^\circ$	$c = 8 \text{ cm}$	$b = 10 \text{ cm}$	$a = 1 \text{ cm}$	$\beta = 45^\circ$	$\beta = 50^\circ$

Kongruenz-Bingo (47)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\alpha = 50^\circ$	$b = 9 \text{ cm}$	$a = 5 \text{ cm}$	$b = 1 \text{ cm}$	$\alpha = 60^\circ$	$\alpha = 140^\circ$
$c = 7 \text{ cm}$	$\alpha = 10^\circ$	$\beta = 140^\circ$	$\beta = 20^\circ$	$c = 7 \text{ cm}$	$\gamma = 50^\circ$
$\gamma = 90^\circ$	$c = 10 \text{ cm}$	$\alpha = 45^\circ$	$b = 2 \text{ cm}$	$\gamma = 130^\circ$	$\beta = 30^\circ$
$\alpha = 90^\circ$	$\alpha = 120^\circ$	$c = 8 \text{ cm}$	$c = 2 \text{ cm}$	$a = 2 \text{ cm}$	$\beta = 120^\circ$
$a = 5 \text{ cm}$	$a = 3 \text{ cm}$	$a = 1 \text{ cm}$	$\alpha = 80^\circ$	$\alpha = 50^\circ$	$\alpha = 80^\circ$
$\gamma = 90^\circ$	$a = 2 \text{ cm}$	$\beta = 30^\circ$	$\alpha = 60^\circ$	$c = 6 \text{ cm}$	$\gamma = 10^\circ$
$a = 7 \text{ cm}$	$\alpha = 140^\circ$	$c = 1 \text{ cm}$	$b = 5 \text{ cm}$	$\gamma = 120^\circ$	$b = 7 \text{ cm}$
$c = 1 \text{ cm}$	$b = 2 \text{ cm}$	$\beta = 70^\circ$	$\alpha = 20^\circ$	$b = 7 \text{ cm}$	$\beta = 100^\circ$
$b = 8 \text{ cm}$	$\gamma = 100^\circ$	$b = 1 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 10^\circ$	$\beta = 50^\circ$
$c = 4 \text{ cm}$	$a = 9 \text{ cm}$	$b = 10 \text{ cm}$	$\beta = 140^\circ$	$a = 3 \text{ cm}$	$a = 7 \text{ cm}$
$a = 6 \text{ cm}$	$b = 4 \text{ cm}$	$c = 3 \text{ cm}$	$\beta = 100^\circ$	$\gamma = 130^\circ$	$c = 5 \text{ cm}$
$a = 8 \text{ cm}$	$\beta = 120^\circ$	$b = 3 \text{ cm}$	$b = 6 \text{ cm}$	$c = 5 \text{ cm}$	$b = 9 \text{ cm}$
$\alpha = 120^\circ$	$\gamma = 75^\circ$	$b = 8 \text{ cm}$	$c = 9 \text{ cm}$	$a = 8 \text{ cm}$	$a = 10 \text{ cm}$
$c = 4 \text{ cm}$	$c = 3 \text{ cm}$	$c = 6 \text{ cm}$	$b = 3 \text{ cm}$	$\gamma = 40^\circ$	$\beta = 60^\circ$
$\beta = 45^\circ$	$\gamma = 100^\circ$	$\gamma = 120^\circ$	$\beta = 90^\circ$	$\gamma = 60^\circ$	$c = 9 \text{ cm}$
$a = 6 \text{ cm}$	$\gamma = 110^\circ$	$\gamma = 110^\circ$	$b = 10 \text{ cm}$	$\alpha = 30^\circ$	$\alpha = 20^\circ$
$b = 6 \text{ cm}$	$\beta = 20^\circ$	$\beta = 70^\circ$	$\alpha = 45^\circ$	$b = 5 \text{ cm}$	$\beta = 60^\circ$
$\alpha = 90^\circ$	$c = 10 \text{ cm}$	$a = 1 \text{ cm}$	$a = 4 \text{ cm}$	$\alpha = 10^\circ$	$a = 10 \text{ cm}$
$b = 4 \text{ cm}$	$\gamma = 50^\circ$	$c = 2 \text{ cm}$	$\beta = 90^\circ$	$\beta = 50^\circ$	$\beta = 45^\circ$
$\gamma = 40^\circ$	$\gamma = 60^\circ$	$\alpha = 30^\circ$	$c = 8 \text{ cm}$	$a = 4 \text{ cm}$	$\gamma = 75^\circ$

Kongruenz-Bingo (48)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\beta = 50^\circ$	$c = 2 \text{ cm}$	$\alpha = 90^\circ$	$a = 9 \text{ cm}$	$\gamma = 100^\circ$	$b = 7 \text{ cm}$
$c = 7 \text{ cm}$	$c = 8 \text{ cm}$	$b = 8 \text{ cm}$	$a = 4 \text{ cm}$	$b = 8 \text{ cm}$	$\gamma = 40^\circ$
$\beta = 70^\circ$	$b = 2 \text{ cm}$	$\beta = 100^\circ$	$a = 4 \text{ cm}$	$\alpha = 60^\circ$	$\gamma = 100^\circ$
$\alpha = 10^\circ$	$\beta = 70^\circ$	$b = 3 \text{ cm}$	$c = 3 \text{ cm}$	$\beta = 45^\circ$	$\alpha = 50^\circ$
$b = 5 \text{ cm}$	$\gamma = 10^\circ$	$a = 10 \text{ cm}$	$c = 1 \text{ cm}$	$b = 7 \text{ cm}$	$c = 7 \text{ cm}$
$\gamma = 130^\circ$	$\gamma = 75^\circ$	$b = 1 \text{ cm}$	$a = 9 \text{ cm}$	$a = 2 \text{ cm}$	$a = 6 \text{ cm}$
$\gamma = 90^\circ$	$\beta = 45^\circ$	$\gamma = 40^\circ$	$\gamma = 50^\circ$	$\alpha = 10^\circ$	$c = 6 \text{ cm}$
$\beta = 20^\circ$	$\beta = 100^\circ$	$b = 4 \text{ cm}$	$c = 4 \text{ cm}$	$\gamma = 90^\circ$	$b = 10 \text{ cm}$
$\alpha = 50^\circ$	$c = 10 \text{ cm}$	$\gamma = 60^\circ$	$\beta = 60^\circ$	$a = 10 \text{ cm}$	$\gamma = 60^\circ$
$b = 1 \text{ cm}$	$\beta = 120^\circ$	$\beta = 140^\circ$	$a = 1 \text{ cm}$	$a = 8 \text{ cm}$	$\alpha = 120^\circ$
$\gamma = 10^\circ$	$c = 8 \text{ cm}$	$\alpha = 140^\circ$	$a = 2 \text{ cm}$	$\gamma = 130^\circ$	$\alpha = 20^\circ$
$\alpha = 20^\circ$	$c = 2 \text{ cm}$	$c = 9 \text{ cm}$	$b = 5 \text{ cm}$	$c = 1 \text{ cm}$	$\gamma = 120^\circ$
$a = 6 \text{ cm}$	$\gamma = 110^\circ$	$c = 10 \text{ cm}$	$c = 9 \text{ cm}$	$\gamma = 110^\circ$	$\beta = 90^\circ$
$\beta = 50^\circ$	$b = 9 \text{ cm}$	$b = 10 \text{ cm}$	$\alpha = 60^\circ$	$c = 4 \text{ cm}$	$\gamma = 120^\circ$
$\alpha = 140^\circ$	$c = 6 \text{ cm}$	$a = 3 \text{ cm}$	$b = 4 \text{ cm}$	$b = 6 \text{ cm}$	$\alpha = 90^\circ$
$b = 6 \text{ cm}$	$\alpha = 30^\circ$	$\alpha = 45^\circ$	$\beta = 120^\circ$	$\alpha = 30^\circ$	$\alpha = 120^\circ$
$b = 9 \text{ cm}$	$c = 5 \text{ cm}$	$\alpha = 80^\circ$	$a = 3 \text{ cm}$	$\beta = 30^\circ$	$\alpha = 80^\circ$
$\beta = 30^\circ$	$a = 7 \text{ cm}$	$a = 8 \text{ cm}$	$\gamma = 50^\circ$	$b = 3 \text{ cm}$	$a = 5 \text{ cm}$
$a = 7 \text{ cm}$	$c = 3 \text{ cm}$	$\gamma = 75^\circ$	$\beta = 20^\circ$	$\alpha = 45^\circ$	$\beta = 90^\circ$
$c = 5 \text{ cm}$	$a = 5 \text{ cm}$	$b = 2 \text{ cm}$	$\beta = 140^\circ$	$\beta = 60^\circ$	$a = 1 \text{ cm}$

Kongruenz-Bingo (49)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\beta = 120^\circ$	$\alpha = 140^\circ$	$\beta = 100^\circ$	$b = 9 \text{ cm}$	$c = 2 \text{ cm}$	$b = 7 \text{ cm}$
$\beta = 30^\circ$	$\beta = 90^\circ$	$\beta = 140^\circ$	$\alpha = 140^\circ$	$\alpha = 60^\circ$	$c = 7 \text{ cm}$
$b = 10 \text{ cm}$	$b = 1 \text{ cm}$	$\alpha = 10^\circ$	$\beta = 70^\circ$	$\alpha = 60^\circ$	$b = 2 \text{ cm}$
$c = 6 \text{ cm}$	$\beta = 30^\circ$	$a = 10 \text{ cm}$	$b = 3 \text{ cm}$	$\alpha = 80^\circ$	$b = 1 \text{ cm}$
$a = 7 \text{ cm}$	$\gamma = 10^\circ$	$\beta = 140^\circ$	$\beta = 20^\circ$	$\alpha = 30^\circ$	$a = 9 \text{ cm}$
$a = 8 \text{ cm}$	$\alpha = 120^\circ$	$a = 2 \text{ cm}$	$\gamma = 110^\circ$	$a = 2 \text{ cm}$	$c = 10 \text{ cm}$
$b = 9 \text{ cm}$	$\alpha = 50^\circ$	$c = 9 \text{ cm}$	$\gamma = 130^\circ$	$\alpha = 120^\circ$	$\alpha = 50^\circ$
$a = 6 \text{ cm}$	$\beta = 60^\circ$	$a = 6 \text{ cm}$	$\alpha = 90^\circ$	$c = 4 \text{ cm}$	$\gamma = 60^\circ$
$c = 1 \text{ cm}$	$\gamma = 130^\circ$	$c = 9 \text{ cm}$	$\alpha = 45^\circ$	$a = 3 \text{ cm}$	$b = 4 \text{ cm}$
$\beta = 45^\circ$	$a = 1 \text{ cm}$	$b = 6 \text{ cm}$	$\gamma = 100^\circ$	$\gamma = 50^\circ$	$\gamma = 100^\circ$
$\alpha = 20^\circ$	$\gamma = 40^\circ$	$b = 5 \text{ cm}$	$b = 7 \text{ cm}$	$c = 7 \text{ cm}$	$\alpha = 90^\circ$
$c = 1 \text{ cm}$	$\gamma = 120^\circ$	$\gamma = 120^\circ$	$\gamma = 10^\circ$	$\gamma = 60^\circ$	$\beta = 20^\circ$
$\gamma = 40^\circ$	$a = 4 \text{ cm}$	$b = 2 \text{ cm}$	$b = 3 \text{ cm}$	$a = 4 \text{ cm}$	$c = 2 \text{ cm}$
$\gamma = 75^\circ$	$\beta = 120^\circ$	$c = 6 \text{ cm}$	$a = 10 \text{ cm}$	$\alpha = 45^\circ$	$\alpha = 30^\circ$
$b = 5 \text{ cm}$	$a = 1 \text{ cm}$	$a = 8 \text{ cm}$	$b = 8 \text{ cm}$	$\beta = 50^\circ$	$b = 10 \text{ cm}$
$a = 7 \text{ cm}$	$\alpha = 20^\circ$	$\gamma = 110^\circ$	$c = 5 \text{ cm}$	$c = 3 \text{ cm}$	$b = 8 \text{ cm}$
$c = 5 \text{ cm}$	$\gamma = 50^\circ$	$c = 8 \text{ cm}$	$b = 6 \text{ cm}$	$c = 4 \text{ cm}$	$a = 9 \text{ cm}$
$b = 4 \text{ cm}$	$\beta = 90^\circ$	$a = 5 \text{ cm}$	$\beta = 60^\circ$	$\gamma = 90^\circ$	$\beta = 100^\circ$
$\alpha = 10^\circ$	$a = 3 \text{ cm}$	$a = 5 \text{ cm}$	$\beta = 45^\circ$	$c = 10 \text{ cm}$	$\beta = 70^\circ$
$c = 8 \text{ cm}$	$\gamma = 90^\circ$	$\gamma = 75^\circ$	$\alpha = 80^\circ$	$\beta = 50^\circ$	$c = 3 \text{ cm}$

Kongruenz-Bingo (50)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$a = 4 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 120^\circ$	$a = 5 \text{ cm}$	$b = 9 \text{ cm}$	$\gamma = 40^\circ$
$\beta = 70^\circ$	$c = 3 \text{ cm}$	$a = 3 \text{ cm}$	$c = 1 \text{ cm}$	$\gamma = 10^\circ$	$\gamma = 75^\circ$
$c = 9 \text{ cm}$	$c = 7 \text{ cm}$	$\alpha = 45^\circ$	$c = 9 \text{ cm}$	$\gamma = 50^\circ$	$\alpha = 45^\circ$
$b = 8 \text{ cm}$	$\alpha = 30^\circ$	$\beta = 120^\circ$	$\gamma = 110^\circ$	$b = 3 \text{ cm}$	$b = 6 \text{ cm}$
$\gamma = 40^\circ$	$\alpha = 60^\circ$	$a = 10 \text{ cm}$	$a = 6 \text{ cm}$	$c = 2 \text{ cm}$	$a = 5 \text{ cm}$
$\beta = 20^\circ$	$c = 8 \text{ cm}$	$a = 10 \text{ cm}$	$\beta = 30^\circ$	$a = 7 \text{ cm}$	$\gamma = 110^\circ$
$b = 1 \text{ cm}$	$\alpha = 10^\circ$	$\beta = 100^\circ$	$\gamma = 130^\circ$	$\alpha = 90^\circ$	$\gamma = 60^\circ$
$\alpha = 60^\circ$	$b = 8 \text{ cm}$	$a = 2 \text{ cm}$	$\beta = 30^\circ$	$a = 2 \text{ cm}$	$\beta = 100^\circ$
$b = 5 \text{ cm}$	$\gamma = 100^\circ$	$\beta = 70^\circ$	$c = 10 \text{ cm}$	$\beta = 60^\circ$	$b = 5 \text{ cm}$
$a = 1 \text{ cm}$	$\alpha = 90^\circ$	$b = 9 \text{ cm}$	$\gamma = 90^\circ$	$b = 10 \text{ cm}$	$c = 7 \text{ cm}$
$b = 4 \text{ cm}$	$\alpha = 20^\circ$	$\beta = 50^\circ$	$\gamma = 130^\circ$	$b = 7 \text{ cm}$	$\alpha = 140^\circ$
$\alpha = 80^\circ$	$b = 3 \text{ cm}$	$\alpha = 140^\circ$	$\alpha = 80^\circ$	$a = 9 \text{ cm}$	$b = 7 \text{ cm}$
$b = 4 \text{ cm}$	$\gamma = 60^\circ$	$a = 8 \text{ cm}$	$a = 6 \text{ cm}$	$b = 10 \text{ cm}$	$a = 1 \text{ cm}$
$\alpha = 30^\circ$	$c = 4 \text{ cm}$	$b = 2 \text{ cm}$	$c = 2 \text{ cm}$	$\alpha = 50^\circ$	$\gamma = 50^\circ$
$a = 3 \text{ cm}$	$\beta = 90^\circ$	$\alpha = 50^\circ$	$c = 6 \text{ cm}$	$\beta = 45^\circ$	$a = 4 \text{ cm}$
$c = 3 \text{ cm}$	$\gamma = 75^\circ$	$c = 8 \text{ cm}$	$\beta = 90^\circ$	$\gamma = 120^\circ$	$\beta = 45^\circ$
$\beta = 20^\circ$	$\alpha = 120^\circ$	$b = 1 \text{ cm}$	$c = 10 \text{ cm}$	$\alpha = 10^\circ$	$\gamma = 100^\circ$
$c = 4 \text{ cm}$	$c = 6 \text{ cm}$	$c = 5 \text{ cm}$	$\beta = 60^\circ$	$c = 1 \text{ cm}$	$\alpha = 120^\circ$
$\alpha = 20^\circ$	$\beta = 140^\circ$	$a = 7 \text{ cm}$	$a = 8 \text{ cm}$	$\beta = 50^\circ$	$\beta = 120^\circ$
$\beta = 140^\circ$	$b = 2 \text{ cm}$	$\gamma = 90^\circ$	$\gamma = 10^\circ$	$c = 5 \text{ cm}$	$b = 6 \text{ cm}$

Kongruenz-Bingo (51)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\beta = 20^\circ$	$\beta = 100^\circ$	$b = 6 \text{ cm}$	$\gamma = 10^\circ$	$a = 5 \text{ cm}$	$\beta = 60^\circ$
$\alpha = 20^\circ$	$b = 3 \text{ cm}$	$\gamma = 120^\circ$	$\alpha = 10^\circ$	$b = 7 \text{ cm}$	$b = 5 \text{ cm}$
$c = 3 \text{ cm}$	$b = 6 \text{ cm}$	$\beta = 20^\circ$	$\beta = 30^\circ$	$\gamma = 60^\circ$	$\alpha = 45^\circ$
$a = 4 \text{ cm}$	$\gamma = 130^\circ$	$b = 7 \text{ cm}$	$a = 6 \text{ cm}$	$a = 2 \text{ cm}$	$\gamma = 50^\circ$
$\beta = 70^\circ$	$\beta = 50^\circ$	$c = 2 \text{ cm}$	$c = 8 \text{ cm}$	$b = 9 \text{ cm}$	$c = 1 \text{ cm}$
$c = 3 \text{ cm}$	$a = 3 \text{ cm}$	$a = 2 \text{ cm}$	$c = 4 \text{ cm}$	$a = 10 \text{ cm}$	$a = 8 \text{ cm}$
$a = 10 \text{ cm}$	$\beta = 45^\circ$	$\gamma = 110^\circ$	$c = 6 \text{ cm}$	$\alpha = 60^\circ$	$a = 9 \text{ cm}$
$\gamma = 100^\circ$	$c = 5 \text{ cm}$	$\alpha = 90^\circ$	$\gamma = 40^\circ$	$\beta = 70^\circ$	$b = 2 \text{ cm}$
$c = 4 \text{ cm}$	$c = 9 \text{ cm}$	$\beta = 140^\circ$	$c = 8 \text{ cm}$	$a = 1 \text{ cm}$	$\alpha = 140^\circ$
$\beta = 100^\circ$	$\alpha = 50^\circ$	$\alpha = 45^\circ$	$c = 6 \text{ cm}$	$b = 4 \text{ cm}$	$b = 5 \text{ cm}$
$c = 9 \text{ cm}$	$a = 3 \text{ cm}$	$c = 7 \text{ cm}$	$b = 9 \text{ cm}$	$\beta = 140^\circ$	$\gamma = 90^\circ$
$a = 4 \text{ cm}$	$a = 6 \text{ cm}$	$c = 10 \text{ cm}$	$\beta = 90^\circ$	$\alpha = 20^\circ$	$c = 1 \text{ cm}$
$\alpha = 30^\circ$	$a = 8 \text{ cm}$	$\beta = 30^\circ$	$b = 8 \text{ cm}$	$\gamma = 130^\circ$	$\beta = 50^\circ$
$\gamma = 60^\circ$	$c = 7 \text{ cm}$	$\gamma = 120^\circ$	$\beta = 90^\circ$	$\gamma = 90^\circ$	$\gamma = 75^\circ$
$\alpha = 80^\circ$	$\alpha = 120^\circ$	$a = 1 \text{ cm}$	$\beta = 60^\circ$	$b = 2 \text{ cm}$	$c = 5 \text{ cm}$
$\alpha = 10^\circ$	$\gamma = 40^\circ$	$a = 7 \text{ cm}$	$\alpha = 120^\circ$	$a = 7 \text{ cm}$	$b = 10 \text{ cm}$
$b = 4 \text{ cm}$	$\gamma = 110^\circ$	$\alpha = 30^\circ$	$b = 3 \text{ cm}$	$\gamma = 100^\circ$	$b = 8 \text{ cm}$
$\alpha = 80^\circ$	$\gamma = 10^\circ$	$\alpha = 90^\circ$	$b = 10 \text{ cm}$	$a = 9 \text{ cm}$	$\beta = 120^\circ$
$\gamma = 75^\circ$	$\alpha = 60^\circ$	$c = 2 \text{ cm}$	$a = 5 \text{ cm}$	$\gamma = 50^\circ$	$b = 1 \text{ cm}$
$c = 10 \text{ cm}$	$\beta = 45^\circ$	$\alpha = 50^\circ$	$b = 1 \text{ cm}$	$\alpha = 140^\circ$	$\beta = 120^\circ$

Kongruenz-Bingo (52)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$b = 7 \text{ cm}$	$\alpha = 80^\circ$	$b = 1 \text{ cm}$	$b = 5 \text{ cm}$	$\alpha = 140^\circ$	$\gamma = 50^\circ$
$\beta = 45^\circ$	$a = 5 \text{ cm}$	$b = 9 \text{ cm}$	$\gamma = 100^\circ$	$\gamma = 40^\circ$	$a = 3 \text{ cm}$
$\alpha = 90^\circ$	$\beta = 140^\circ$	$b = 3 \text{ cm}$	$\alpha = 20^\circ$	$a = 6 \text{ cm}$	$c = 5 \text{ cm}$
$\beta = 30^\circ$	$\gamma = 100^\circ$	$a = 8 \text{ cm}$	$\beta = 50^\circ$	$a = 5 \text{ cm}$	$\alpha = 20^\circ$
$a = 3 \text{ cm}$	$\beta = 50^\circ$	$b = 8 \text{ cm}$	$a = 10 \text{ cm}$	$\alpha = 140^\circ$	$a = 4 \text{ cm}$
$\alpha = 10^\circ$	$a = 8 \text{ cm}$	$\alpha = 30^\circ$	$\beta = 140^\circ$	$b = 6 \text{ cm}$	$\gamma = 130^\circ$
$\alpha = 50^\circ$	$\beta = 20^\circ$	$a = 2 \text{ cm}$	$\alpha = 10^\circ$	$\beta = 45^\circ$	$\gamma = 120^\circ$
$\beta = 70^\circ$	$\alpha = 120^\circ$	$\alpha = 60^\circ$	$b = 10 \text{ cm}$	$c = 7 \text{ cm}$	$\alpha = 45^\circ$
$\beta = 70^\circ$	$\alpha = 90^\circ$	$c = 5 \text{ cm}$	$\gamma = 75^\circ$	$\alpha = 45^\circ$	$b = 8 \text{ cm}$
$c = 6 \text{ cm}$	$\alpha = 60^\circ$	$c = 1 \text{ cm}$	$\beta = 60^\circ$	$\beta = 30^\circ$	$c = 7 \text{ cm}$
$c = 8 \text{ cm}$	$c = 4 \text{ cm}$	$c = 2 \text{ cm}$	$\beta = 90^\circ$	$a = 9 \text{ cm}$	$c = 2 \text{ cm}$
$a = 4 \text{ cm}$	$b = 9 \text{ cm}$	$\beta = 90^\circ$	$c = 3 \text{ cm}$	$\beta = 120^\circ$	$c = 1 \text{ cm}$
$c = 3 \text{ cm}$	$\gamma = 90^\circ$	$\gamma = 130^\circ$	$\beta = 120^\circ$	$a = 6 \text{ cm}$	$\gamma = 110^\circ$
$a = 10 \text{ cm}$	$b = 6 \text{ cm}$	$\gamma = 75^\circ$	$b = 1 \text{ cm}$	$\gamma = 40^\circ$	$\beta = 60^\circ$
$c = 6 \text{ cm}$	$a = 1 \text{ cm}$	$b = 4 \text{ cm}$	$a = 7 \text{ cm}$	$\beta = 100^\circ$	$a = 7 \text{ cm}$
$c = 10 \text{ cm}$	$c = 4 \text{ cm}$	$a = 9 \text{ cm}$	$b = 7 \text{ cm}$	$b = 4 \text{ cm}$	$b = 2 \text{ cm}$
$b = 2 \text{ cm}$	$b = 10 \text{ cm}$	$b = 3 \text{ cm}$	$a = 2 \text{ cm}$	$\gamma = 50^\circ$	$c = 9 \text{ cm}$
$c = 8 \text{ cm}$	$\gamma = 90^\circ$	$\gamma = 120^\circ$	$\beta = 20^\circ$	$\alpha = 80^\circ$	$c = 9 \text{ cm}$
$\gamma = 110^\circ$	$\alpha = 50^\circ$	$\beta = 100^\circ$	$\gamma = 10^\circ$	$\gamma = 60^\circ$	$b = 5 \text{ cm}$
$\gamma = 10^\circ$	$\alpha = 120^\circ$	$\gamma = 60^\circ$	$a = 1 \text{ cm}$	$c = 10 \text{ cm}$	$\alpha = 30^\circ$

Kongruenz-Bingo (53)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\gamma = 100^\circ$	$\alpha = 50^\circ$	$c = 9 \text{ cm}$	$b = 8 \text{ cm}$	$\alpha = 120^\circ$	$a = 9 \text{ cm}$
$c = 4 \text{ cm}$	$b = 5 \text{ cm}$	$c = 3 \text{ cm}$	$\beta = 60^\circ$	$\alpha = 80^\circ$	$c = 10 \text{ cm}$
$a = 2 \text{ cm}$	$c = 1 \text{ cm}$	$\alpha = 30^\circ$	$\gamma = 60^\circ$	$\gamma = 110^\circ$	$\gamma = 40^\circ$
$\beta = 140^\circ$	$b = 1 \text{ cm}$	$b = 7 \text{ cm}$	$\gamma = 50^\circ$	$b = 1 \text{ cm}$	$b = 9 \text{ cm}$
$\beta = 30^\circ$	$\alpha = 45^\circ$	$\beta = 120^\circ$	$\gamma = 10^\circ$	$b = 6 \text{ cm}$	$\gamma = 10^\circ$
$\alpha = 20^\circ$	$c = 10 \text{ cm}$	$c = 8 \text{ cm}$	$b = 8 \text{ cm}$	$\beta = 70^\circ$	$\gamma = 75^\circ$
$\alpha = 120^\circ$	$b = 3 \text{ cm}$	$\beta = 60^\circ$	$\gamma = 120^\circ$	$\alpha = 140^\circ$	$c = 4 \text{ cm}$
$b = 4 \text{ cm}$	$\beta = 120^\circ$	$a = 1 \text{ cm}$	$a = 2 \text{ cm}$	$a = 10 \text{ cm}$	$c = 9 \text{ cm}$
$b = 10 \text{ cm}$	$\gamma = 50^\circ$	$\alpha = 10^\circ$	$b = 6 \text{ cm}$	$\gamma = 110^\circ$	$\gamma = 40^\circ$
$c = 8 \text{ cm}$	$c = 6 \text{ cm}$	$\alpha = 50^\circ$	$b = 9 \text{ cm}$	$\beta = 140^\circ$	$\gamma = 90^\circ$
$a = 8 \text{ cm}$	$a = 3 \text{ cm}$	$\alpha = 60^\circ$	$c = 5 \text{ cm}$	$\beta = 50^\circ$	$b = 2 \text{ cm}$
$\beta = 30^\circ$	$\beta = 90^\circ$	$\alpha = 80^\circ$	$a = 5 \text{ cm}$	$\gamma = 75^\circ$	$\beta = 100^\circ$
$b = 3 \text{ cm}$	$\beta = 100^\circ$	$\alpha = 10^\circ$	$\beta = 20^\circ$	$a = 3 \text{ cm}$	$\gamma = 90^\circ$
$a = 4 \text{ cm}$	$\alpha = 90^\circ$	$\alpha = 30^\circ$	$c = 6 \text{ cm}$	$a = 5 \text{ cm}$	$a = 7 \text{ cm}$
$\gamma = 100^\circ$	$\gamma = 130^\circ$	$a = 7 \text{ cm}$	$c = 2 \text{ cm}$	$c = 7 \text{ cm}$	$a = 1 \text{ cm}$
$\beta = 50^\circ$	$b = 7 \text{ cm}$	$\alpha = 140^\circ$	$\gamma = 120^\circ$	$c = 5 \text{ cm}$	$a = 6 \text{ cm}$
$\beta = 45^\circ$	$a = 10 \text{ cm}$	$b = 2 \text{ cm}$	$a = 9 \text{ cm}$	$\alpha = 20^\circ$	$a = 8 \text{ cm}$
$c = 2 \text{ cm}$	$\alpha = 90^\circ$	$\gamma = 130^\circ$	$\beta = 90^\circ$	$\gamma = 60^\circ$	$c = 7 \text{ cm}$
$b = 4 \text{ cm}$	$a = 4 \text{ cm}$	$\beta = 70^\circ$	$c = 3 \text{ cm}$	$\beta = 20^\circ$	$b = 5 \text{ cm}$
$\alpha = 45^\circ$	$\alpha = 60^\circ$	$\beta = 45^\circ$	$c = 1 \text{ cm}$	$a = 6 \text{ cm}$	$b = 10 \text{ cm}$

Kongruenz-Bingo (54)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$a = 4 \text{ cm}$	$\gamma = 100^\circ$	$\gamma = 60^\circ$	$c = 9 \text{ cm}$	$c = 8 \text{ cm}$	$\beta = 70^\circ$
$\gamma = 90^\circ$	$\alpha = 50^\circ$	$a = 6 \text{ cm}$	$c = 9 \text{ cm}$	$c = 7 \text{ cm}$	$\alpha = 80^\circ$
$\beta = 45^\circ$	$\gamma = 120^\circ$	$c = 3 \text{ cm}$	$\beta = 70^\circ$	$a = 1 \text{ cm}$	$b = 1 \text{ cm}$
$c = 1 \text{ cm}$	$\beta = 60^\circ$	$b = 6 \text{ cm}$	$c = 6 \text{ cm}$	$b = 2 \text{ cm}$	$\gamma = 75^\circ$
$a = 2 \text{ cm}$	$\beta = 90^\circ$	$\alpha = 90^\circ$	$\beta = 90^\circ$	$a = 3 \text{ cm}$	$\gamma = 120^\circ$
$\beta = 140^\circ$	$\beta = 60^\circ$	$\alpha = 30^\circ$	$\gamma = 10^\circ$	$\gamma = 130^\circ$	$b = 10 \text{ cm}$
$c = 4 \text{ cm}$	$\beta = 100^\circ$	$b = 4 \text{ cm}$	$\gamma = 50^\circ$	$c = 6 \text{ cm}$	$b = 4 \text{ cm}$
$\alpha = 60^\circ$	$a = 5 \text{ cm}$	$a = 10 \text{ cm}$	$b = 9 \text{ cm}$	$b = 9 \text{ cm}$	$\gamma = 130^\circ$
$a = 4 \text{ cm}$	$b = 7 \text{ cm}$	$c = 8 \text{ cm}$	$\gamma = 50^\circ$	$\beta = 50^\circ$	$\alpha = 50^\circ$
$\gamma = 40^\circ$	$\beta = 50^\circ$	$b = 5 \text{ cm}$	$\gamma = 60^\circ$	$\gamma = 100^\circ$	$\alpha = 140^\circ$
$a = 8 \text{ cm}$	$\gamma = 75^\circ$	$a = 10 \text{ cm}$	$\alpha = 20^\circ$	$\beta = 20^\circ$	$b = 6 \text{ cm}$
$\gamma = 40^\circ$	$\alpha = 140^\circ$	$\beta = 100^\circ$	$\beta = 30^\circ$	$\alpha = 10^\circ$	$\beta = 120^\circ$
$c = 3 \text{ cm}$	$a = 9 \text{ cm}$	$b = 8 \text{ cm}$	$\beta = 140^\circ$	$b = 3 \text{ cm}$	$c = 2 \text{ cm}$
$\beta = 45^\circ$	$b = 7 \text{ cm}$	$c = 7 \text{ cm}$	$c = 1 \text{ cm}$	$a = 5 \text{ cm}$	$\alpha = 45^\circ$
$c = 2 \text{ cm}$	$a = 7 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 90^\circ$	$\alpha = 20^\circ$	$\alpha = 45^\circ$
$c = 5 \text{ cm}$	$b = 1 \text{ cm}$	$\alpha = 80^\circ$	$\alpha = 60^\circ$	$\gamma = 10^\circ$	$c = 4 \text{ cm}$
$c = 10 \text{ cm}$	$c = 5 \text{ cm}$	$a = 3 \text{ cm}$	$a = 1 \text{ cm}$	$\gamma = 110^\circ$	$a = 7 \text{ cm}$
$b = 3 \text{ cm}$	$\beta = 30^\circ$	$\alpha = 120^\circ$	$\alpha = 10^\circ$	$\alpha = 120^\circ$	$\alpha = 90^\circ$
$b = 8 \text{ cm}$	$\alpha = 30^\circ$	$b = 2 \text{ cm}$	$\beta = 20^\circ$	$c = 10 \text{ cm}$	$b = 5 \text{ cm}$
$\beta = 120^\circ$	$b = 10 \text{ cm}$	$\gamma = 110^\circ$	$a = 8 \text{ cm}$	$a = 6 \text{ cm}$	$a = 2 \text{ cm}$

Kongruenz-Bingo (55)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$b = 5 \text{ cm}$	$\gamma = 110^\circ$	$\alpha = 60^\circ$	$\beta = 50^\circ$	$a = 2 \text{ cm}$	$c = 2 \text{ cm}$
$\alpha = 30^\circ$	$\beta = 120^\circ$	$\gamma = 100^\circ$	$\beta = 60^\circ$	$\alpha = 10^\circ$	$c = 1 \text{ cm}$
$c = 1 \text{ cm}$	$a = 10 \text{ cm}$	$a = 8 \text{ cm}$	$c = 3 \text{ cm}$	$a = 3 \text{ cm}$	$a = 4 \text{ cm}$
$\gamma = 40^\circ$	$a = 8 \text{ cm}$	$c = 7 \text{ cm}$	$c = 6 \text{ cm}$	$\alpha = 50^\circ$	$c = 7 \text{ cm}$
$\beta = 100^\circ$	$b = 8 \text{ cm}$	$a = 7 \text{ cm}$	$a = 4 \text{ cm}$	$\gamma = 50^\circ$	$b = 3 \text{ cm}$
$\gamma = 60^\circ$	$c = 8 \text{ cm}$	$b = 7 \text{ cm}$	$\beta = 30^\circ$	$b = 1 \text{ cm}$	$\beta = 20^\circ$
$\beta = 30^\circ$	$\alpha = 80^\circ$	$\beta = 45^\circ$	$\gamma = 100^\circ$	$\alpha = 45^\circ$	$\beta = 120^\circ$
$c = 9 \text{ cm}$	$\beta = 45^\circ$	$b = 1 \text{ cm}$	$\beta = 90^\circ$	$c = 8 \text{ cm}$	$\gamma = 10^\circ$
$\alpha = 80^\circ$	$c = 10 \text{ cm}$	$\alpha = 120^\circ$	$\gamma = 50^\circ$	$c = 5 \text{ cm}$	$b = 4 \text{ cm}$
$c = 4 \text{ cm}$	$a = 3 \text{ cm}$	$\alpha = 120^\circ$	$\gamma = 110^\circ$	$\gamma = 120^\circ$	$c = 6 \text{ cm}$
$a = 2 \text{ cm}$	$c = 10 \text{ cm}$	$a = 6 \text{ cm}$	$\alpha = 45^\circ$	$\gamma = 40^\circ$	$a = 1 \text{ cm}$
$\gamma = 130^\circ$	$\alpha = 10^\circ$	$b = 10 \text{ cm}$	$b = 4 \text{ cm}$	$\alpha = 50^\circ$	$\alpha = 30^\circ$
$b = 9 \text{ cm}$	$a = 6 \text{ cm}$	$\alpha = 60^\circ$	$\gamma = 60^\circ$	$c = 3 \text{ cm}$	$\alpha = 20^\circ$
$\alpha = 140^\circ$	$\gamma = 10^\circ$	$b = 8 \text{ cm}$	$\beta = 70^\circ$	$a = 9 \text{ cm}$	$\gamma = 120^\circ$
$b = 10 \text{ cm}$	$b = 9 \text{ cm}$	$c = 2 \text{ cm}$	$a = 5 \text{ cm}$	$b = 7 \text{ cm}$	$c = 5 \text{ cm}$
$b = 2 \text{ cm}$	$b = 5 \text{ cm}$	$\beta = 20^\circ$	$\beta = 140^\circ$	$b = 6 \text{ cm}$	$\gamma = 75^\circ$
$b = 3 \text{ cm}$	$\alpha = 140^\circ$	$\beta = 100^\circ$	$b = 2 \text{ cm}$	$a = 1 \text{ cm}$	$\beta = 60^\circ$
$b = 6 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 130^\circ$	$\gamma = 90^\circ$	$\alpha = 90^\circ$	$\beta = 70^\circ$
$c = 4 \text{ cm}$	$a = 7 \text{ cm}$	$\gamma = 75^\circ$	$a = 10 \text{ cm}$	$c = 9 \text{ cm}$	$a = 5 \text{ cm}$
$\beta = 50^\circ$	$\gamma = 90^\circ$	$\beta = 90^\circ$	$\beta = 140^\circ$	$\alpha = 90^\circ$	$\alpha = 20^\circ$

Kongruenz-Bingo (56)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$a = 5 \text{ cm}$	$b = 10 \text{ cm}$	$\beta = 50^\circ$	$c = 10 \text{ cm}$	$a = 10 \text{ cm}$	$\beta = 20^\circ$
$c = 5 \text{ cm}$	$\beta = 45^\circ$	$a = 9 \text{ cm}$	$b = 3 \text{ cm}$	$\beta = 120^\circ$	$a = 4 \text{ cm}$
$a = 8 \text{ cm}$	$\beta = 140^\circ$	$\gamma = 10^\circ$	$\beta = 100^\circ$	$\gamma = 10^\circ$	$c = 2 \text{ cm}$
$\alpha = 80^\circ$	$b = 7 \text{ cm}$	$a = 3 \text{ cm}$	$a = 7 \text{ cm}$	$b = 6 \text{ cm}$	$\alpha = 140^\circ$
$\alpha = 20^\circ$	$\alpha = 140^\circ$	$\gamma = 100^\circ$	$c = 3 \text{ cm}$	$\alpha = 120^\circ$	$\gamma = 120^\circ$
$\gamma = 90^\circ$	$a = 2 \text{ cm}$	$\gamma = 40^\circ$	$a = 7 \text{ cm}$	$\alpha = 10^\circ$	$\gamma = 90^\circ$
$\alpha = 50^\circ$	$c = 7 \text{ cm}$	$c = 10 \text{ cm}$	$b = 5 \text{ cm}$	$\beta = 50^\circ$	$b = 6 \text{ cm}$
$c = 7 \text{ cm}$	$b = 1 \text{ cm}$	$\gamma = 130^\circ$	$c = 8 \text{ cm}$	$\beta = 70^\circ$	$\gamma = 50^\circ$
$\gamma = 130^\circ$	$\alpha = 10^\circ$	$\beta = 90^\circ$	$c = 4 \text{ cm}$	$\beta = 30^\circ$	$b = 7 \text{ cm}$
$b = 10 \text{ cm}$	$\gamma = 120^\circ$	$\alpha = 30^\circ$	$\beta = 90^\circ$	$c = 1 \text{ cm}$	$c = 8 \text{ cm}$
$\alpha = 90^\circ$	$\gamma = 75^\circ$	$\alpha = 80^\circ$	$\alpha = 90^\circ$	$b = 4 \text{ cm}$	$c = 4 \text{ cm}$
$c = 2 \text{ cm}$	$\beta = 20^\circ$	$\gamma = 40^\circ$	$\alpha = 60^\circ$	$a = 5 \text{ cm}$	$\alpha = 20^\circ$
$c = 9 \text{ cm}$	$\gamma = 60^\circ$	$b = 2 \text{ cm}$	$b = 2 \text{ cm}$	$\gamma = 110^\circ$	$\alpha = 45^\circ$
$c = 3 \text{ cm}$	$\beta = 140^\circ$	$\alpha = 30^\circ$	$a = 9 \text{ cm}$	$b = 3 \text{ cm}$	$\beta = 100^\circ$
$\gamma = 75^\circ$	$\gamma = 50^\circ$	$c = 6 \text{ cm}$	$\beta = 60^\circ$	$b = 9 \text{ cm}$	$\beta = 70^\circ$
$\alpha = 60^\circ$	$a = 6 \text{ cm}$	$\alpha = 45^\circ$	$c = 1 \text{ cm}$	$b = 9 \text{ cm}$	$b = 8 \text{ cm}$
$\beta = 60^\circ$	$a = 3 \text{ cm}$	$a = 1 \text{ cm}$	$c = 6 \text{ cm}$	$a = 4 \text{ cm}$	$\gamma = 110^\circ$
$a = 2 \text{ cm}$	$\beta = 120^\circ$	$b = 1 \text{ cm}$	$a = 8 \text{ cm}$	$a = 10 \text{ cm}$	$\alpha = 120^\circ$
$c = 5 \text{ cm}$	$b = 8 \text{ cm}$	$c = 9 \text{ cm}$	$b = 4 \text{ cm}$	$a = 1 \text{ cm}$	$b = 5 \text{ cm}$
$a = 6 \text{ cm}$	$\beta = 30^\circ$	$\gamma = 100^\circ$	$\alpha = 50^\circ$	$\gamma = 60^\circ$	$\beta = 45^\circ$

Kongruenz-Bingo (57)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$c = 10 \text{ cm}$	$\beta = 120^\circ$	$b = 7 \text{ cm}$	$\alpha = 10^\circ$	$c = 7 \text{ cm}$	$\gamma = 100^\circ$
$b = 3 \text{ cm}$	$c = 8 \text{ cm}$	$b = 4 \text{ cm}$	$c = 3 \text{ cm}$	$c = 6 \text{ cm}$	$\alpha = 80^\circ$
$c = 9 \text{ cm}$	$c = 10 \text{ cm}$	$\gamma = 110^\circ$	$\gamma = 120^\circ$	$a = 5 \text{ cm}$	$a = 8 \text{ cm}$
$c = 5 \text{ cm}$	$a = 7 \text{ cm}$	$\beta = 45^\circ$	$\beta = 70^\circ$	$\beta = 30^\circ$	$c = 1 \text{ cm}$
$a = 6 \text{ cm}$	$b = 4 \text{ cm}$	$\beta = 20^\circ$	$\beta = 100^\circ$	$a = 2 \text{ cm}$	$\gamma = 60^\circ$
$\beta = 120^\circ$	$\beta = 45^\circ$	$\alpha = 140^\circ$	$b = 8 \text{ cm}$	$\beta = 100^\circ$	$\gamma = 50^\circ$
$\gamma = 130^\circ$	$\alpha = 30^\circ$	$c = 7 \text{ cm}$	$c = 4 \text{ cm}$	$\alpha = 140^\circ$	$\beta = 30^\circ$
$\beta = 70^\circ$	$c = 2 \text{ cm}$	$\alpha = 20^\circ$	$a = 6 \text{ cm}$	$\alpha = 30^\circ$	$\alpha = 60^\circ$
$\alpha = 45^\circ$	$b = 6 \text{ cm}$	$b = 2 \text{ cm}$	$\gamma = 10^\circ$	$\beta = 140^\circ$	$c = 9 \text{ cm}$
$\gamma = 90^\circ$	$c = 2 \text{ cm}$	$a = 2 \text{ cm}$	$b = 7 \text{ cm}$	$a = 3 \text{ cm}$	$\alpha = 50^\circ$
$c = 8 \text{ cm}$	$b = 10 \text{ cm}$	$\gamma = 40^\circ$	$\beta = 140^\circ$	$b = 9 \text{ cm}$	$\alpha = 20^\circ$
$b = 9 \text{ cm}$	$c = 1 \text{ cm}$	$b = 5 \text{ cm}$	$\alpha = 80^\circ$	$\gamma = 50^\circ$	$\beta = 60^\circ$
$a = 9 \text{ cm}$	$\gamma = 90^\circ$	$b = 3 \text{ cm}$	$a = 8 \text{ cm}$	$\alpha = 90^\circ$	$\beta = 90^\circ$
$\gamma = 60^\circ$	$\gamma = 75^\circ$	$\gamma = 110^\circ$	$a = 1 \text{ cm}$	$\beta = 60^\circ$	$b = 8 \text{ cm}$
$a = 1 \text{ cm}$	$\alpha = 45^\circ$	$\beta = 90^\circ$	$a = 5 \text{ cm}$	$\alpha = 120^\circ$	$b = 1 \text{ cm}$
$\gamma = 130^\circ$	$\alpha = 10^\circ$	$a = 4 \text{ cm}$	$\alpha = 90^\circ$	$\gamma = 10^\circ$	$\gamma = 75^\circ$
$\gamma = 100^\circ$	$a = 10 \text{ cm}$	$b = 2 \text{ cm}$	$b = 6 \text{ cm}$	$\beta = 50^\circ$	$b = 5 \text{ cm}$
$c = 5 \text{ cm}$	$\gamma = 40^\circ$	$a = 10 \text{ cm}$	$\gamma = 120^\circ$	$c = 3 \text{ cm}$	$\beta = 20^\circ$
$\alpha = 50^\circ$	$a = 9 \text{ cm}$	$a = 3 \text{ cm}$	$\alpha = 120^\circ$	$b = 10 \text{ cm}$	$a = 4 \text{ cm}$
$b = 1 \text{ cm}$	$\alpha = 60^\circ$	$c = 4 \text{ cm}$	$\beta = 50^\circ$	$a = 7 \text{ cm}$	$c = 6 \text{ cm}$

Kongruenz-Bingo (58)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\alpha = 50^\circ$	$c = 5 \text{ cm}$	$c = 4 \text{ cm}$	$\gamma = 75^\circ$	$b = 6 \text{ cm}$	$c = 3 \text{ cm}$
$\gamma = 130^\circ$	$a = 4 \text{ cm}$	$c = 8 \text{ cm}$	$b = 8 \text{ cm}$	$a = 2 \text{ cm}$	$a = 3 \text{ cm}$
$\beta = 60^\circ$	$b = 4 \text{ cm}$	$c = 9 \text{ cm}$	$\alpha = 20^\circ$	$b = 7 \text{ cm}$	$b = 3 \text{ cm}$
$b = 7 \text{ cm}$	$c = 3 \text{ cm}$	$\alpha = 45^\circ$	$a = 9 \text{ cm}$	$\gamma = 120^\circ$	$c = 9 \text{ cm}$
$a = 6 \text{ cm}$	$a = 1 \text{ cm}$	$\beta = 120^\circ$	$b = 5 \text{ cm}$	$\beta = 45^\circ$	$\gamma = 40^\circ$
$\beta = 30^\circ$	$\gamma = 110^\circ$	$b = 9 \text{ cm}$	$b = 5 \text{ cm}$	$b = 1 \text{ cm}$	$c = 5 \text{ cm}$
$\alpha = 10^\circ$	$\gamma = 10^\circ$	$\alpha = 80^\circ$	$\gamma = 130^\circ$	$a = 2 \text{ cm}$	$\beta = 60^\circ$
$\alpha = 30^\circ$	$b = 9 \text{ cm}$	$c = 2 \text{ cm}$	$\alpha = 20^\circ$	$a = 4 \text{ cm}$	$\beta = 140^\circ$
$\beta = 50^\circ$	$a = 8 \text{ cm}$	$\alpha = 60^\circ$	$a = 6 \text{ cm}$	$b = 10 \text{ cm}$	$\beta = 30^\circ$
$c = 8 \text{ cm}$	$c = 2 \text{ cm}$	$\gamma = 60^\circ$	$b = 4 \text{ cm}$	$b = 1 \text{ cm}$	$b = 2 \text{ cm}$
$b = 2 \text{ cm}$	$\alpha = 90^\circ$	$\beta = 90^\circ$	$\beta = 140^\circ$	$c = 10 \text{ cm}$	$\beta = 100^\circ$
$\gamma = 90^\circ$	$\alpha = 30^\circ$	$c = 6 \text{ cm}$	$\beta = 120^\circ$	$\alpha = 10^\circ$	$\beta = 90^\circ$
$b = 6 \text{ cm}$	$a = 1 \text{ cm}$	$\gamma = 60^\circ$	$\gamma = 10^\circ$	$\gamma = 50^\circ$	$\gamma = 90^\circ$
$b = 10 \text{ cm}$	$a = 3 \text{ cm}$	$\gamma = 100^\circ$	$c = 6 \text{ cm}$	$\alpha = 140^\circ$	$a = 7 \text{ cm}$
$\beta = 45^\circ$	$b = 3 \text{ cm}$	$a = 10 \text{ cm}$	$\alpha = 45^\circ$	$\gamma = 75^\circ$	$\alpha = 80^\circ$
$a = 5 \text{ cm}$	$\gamma = 110^\circ$	$c = 4 \text{ cm}$	$\beta = 20^\circ$	$\gamma = 50^\circ$	$a = 8 \text{ cm}$
$\beta = 20^\circ$	$\alpha = 140^\circ$	$c = 10 \text{ cm}$	$\beta = 100^\circ$	$b = 8 \text{ cm}$	$\gamma = 40^\circ$
$c = 1 \text{ cm}$	$\gamma = 100^\circ$	$\alpha = 60^\circ$	$\beta = 70^\circ$	$\beta = 70^\circ$	$\alpha = 120^\circ$
$a = 7 \text{ cm}$	$c = 7 \text{ cm}$	$\beta = 50^\circ$	$a = 9 \text{ cm}$	$c = 7 \text{ cm}$	$\gamma = 120^\circ$
$\alpha = 90^\circ$	$\alpha = 120^\circ$	$a = 5 \text{ cm}$	$a = 10 \text{ cm}$	$\alpha = 50^\circ$	$c = 1 \text{ cm}$

Kongruenz-Bingo (59)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\beta = 70^\circ$	$c = 6 \text{ cm}$	$c = 9 \text{ cm}$	$\alpha = 20^\circ$	$\beta = 60^\circ$	$c = 1 \text{ cm}$
$\alpha = 60^\circ$	$a = 2 \text{ cm}$	$a = 6 \text{ cm}$	$b = 4 \text{ cm}$	$\beta = 50^\circ$	$\gamma = 40^\circ$
$c = 4 \text{ cm}$	$c = 3 \text{ cm}$	$\alpha = 30^\circ$	$a = 8 \text{ cm}$	$\gamma = 130^\circ$	$\gamma = 120^\circ$
$\beta = 20^\circ$	$\gamma = 75^\circ$	$b = 7 \text{ cm}$	$b = 7 \text{ cm}$	$\alpha = 10^\circ$	$\alpha = 10^\circ$
$b = 5 \text{ cm}$	$b = 5 \text{ cm}$	$c = 6 \text{ cm}$	$\beta = 60^\circ$	$a = 5 \text{ cm}$	$\alpha = 120^\circ$
$a = 9 \text{ cm}$	$c = 4 \text{ cm}$	$b = 9 \text{ cm}$	$\gamma = 60^\circ$	$\gamma = 130^\circ$	$c = 2 \text{ cm}$
$\gamma = 100^\circ$	$a = 1 \text{ cm}$	$b = 2 \text{ cm}$	$\gamma = 120^\circ$	$\alpha = 45^\circ$	$c = 7 \text{ cm}$
$\beta = 45^\circ$	$c = 7 \text{ cm}$	$\gamma = 40^\circ$	$\gamma = 110^\circ$	$\gamma = 50^\circ$	$b = 6 \text{ cm}$
$a = 2 \text{ cm}$	$\beta = 100^\circ$	$\alpha = 30^\circ$	$b = 4 \text{ cm}$	$\beta = 50^\circ$	$c = 10 \text{ cm}$
$c = 8 \text{ cm}$	$b = 9 \text{ cm}$	$\alpha = 80^\circ$	$\alpha = 120^\circ$	$\alpha = 80^\circ$	$\alpha = 90^\circ$
$\gamma = 60^\circ$	$a = 9 \text{ cm}$	$\gamma = 50^\circ$	$a = 4 \text{ cm}$	$a = 1 \text{ cm}$	$a = 3 \text{ cm}$
$\alpha = 50^\circ$	$a = 5 \text{ cm}$	$\beta = 140^\circ$	$c = 10 \text{ cm}$	$\alpha = 140^\circ$	$\alpha = 140^\circ$
$c = 2 \text{ cm}$	$\beta = 120^\circ$	$a = 3 \text{ cm}$	$\alpha = 45^\circ$	$\alpha = 60^\circ$	$a = 8 \text{ cm}$
$a = 7 \text{ cm}$	$b = 1 \text{ cm}$	$c = 8 \text{ cm}$	$c = 5 \text{ cm}$	$a = 10 \text{ cm}$	$\alpha = 50^\circ$
$\beta = 90^\circ$	$\gamma = 100^\circ$	$b = 1 \text{ cm}$	$a = 10 \text{ cm}$	$b = 8 \text{ cm}$	$\alpha = 90^\circ$
$\beta = 90^\circ$	$c = 3 \text{ cm}$	$c = 1 \text{ cm}$	$\beta = 120^\circ$	$\beta = 140^\circ$	$\beta = 20^\circ$
$\gamma = 10^\circ$	$\beta = 70^\circ$	$\alpha = 20^\circ$	$\beta = 30^\circ$	$b = 8 \text{ cm}$	$\beta = 30^\circ$
$c = 5 \text{ cm}$	$\beta = 100^\circ$	$a = 7 \text{ cm}$	$\gamma = 90^\circ$	$a = 4 \text{ cm}$	$b = 10 \text{ cm}$
$\gamma = 110^\circ$	$\gamma = 90^\circ$	$a = 6 \text{ cm}$	$\gamma = 10^\circ$	$\beta = 45^\circ$	$b = 6 \text{ cm}$
$c = 9 \text{ cm}$	$\gamma = 75^\circ$	$b = 3 \text{ cm}$	$b = 3 \text{ cm}$	$b = 10 \text{ cm}$	$b = 2 \text{ cm}$

Kongruenz-Bingo (60)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$a = 5 \text{ cm}$	$\alpha = 140^\circ$	$\beta = 20^\circ$	$b = 3 \text{ cm}$	$b = 2 \text{ cm}$	$c = 2 \text{ cm}$
$\beta = 140^\circ$	$c = 7 \text{ cm}$	$\gamma = 75^\circ$	$c = 8 \text{ cm}$	$c = 4 \text{ cm}$	$\alpha = 90^\circ$
$b = 3 \text{ cm}$	$\alpha = 10^\circ$	$\gamma = 10^\circ$	$\gamma = 120^\circ$	$\alpha = 45^\circ$	$\beta = 100^\circ$
$c = 9 \text{ cm}$	$b = 6 \text{ cm}$	$\beta = 70^\circ$	$\alpha = 50^\circ$	$\alpha = 10^\circ$	$b = 8 \text{ cm}$
$b = 6 \text{ cm}$	$b = 9 \text{ cm}$	$a = 8 \text{ cm}$	$a = 9 \text{ cm}$	$\alpha = 80^\circ$	$a = 4 \text{ cm}$
$a = 3 \text{ cm}$	$c = 10 \text{ cm}$	$\beta = 50^\circ$	$\gamma = 50^\circ$	$\alpha = 140^\circ$	$c = 6 \text{ cm}$
$\alpha = 120^\circ$	$\beta = 140^\circ$	$b = 9 \text{ cm}$	$\beta = 70^\circ$	$\alpha = 120^\circ$	$\gamma = 60^\circ$
$a = 9 \text{ cm}$	$\alpha = 45^\circ$	$a = 10 \text{ cm}$	$\beta = 30^\circ$	$c = 8 \text{ cm}$	$\gamma = 90^\circ$
$b = 5 \text{ cm}$	$c = 5 \text{ cm}$	$\gamma = 90^\circ$	$c = 7 \text{ cm}$	$\beta = 45^\circ$	$c = 4 \text{ cm}$
$\beta = 120^\circ$	$a = 8 \text{ cm}$	$b = 7 \text{ cm}$	$\gamma = 75^\circ$	$\alpha = 90^\circ$	$a = 2 \text{ cm}$
$a = 5 \text{ cm}$	$\beta = 90^\circ$	$\gamma = 40^\circ$	$b = 8 \text{ cm}$	$\gamma = 130^\circ$	$a = 7 \text{ cm}$
$\alpha = 20^\circ$	$\beta = 120^\circ$	$\beta = 50^\circ$	$\alpha = 20^\circ$	$a = 7 \text{ cm}$	$c = 10 \text{ cm}$
$\alpha = 60^\circ$	$\alpha = 60^\circ$	$b = 1 \text{ cm}$	$b = 7 \text{ cm}$	$\beta = 100^\circ$	$\gamma = 60^\circ$
$\gamma = 100^\circ$	$\gamma = 110^\circ$	$a = 1 \text{ cm}$	$\gamma = 50^\circ$	$\beta = 90^\circ$	$c = 9 \text{ cm}$
$\beta = 20^\circ$	$\beta = 45^\circ$	$a = 3 \text{ cm}$	$b = 4 \text{ cm}$	$a = 6 \text{ cm}$	$\beta = 60^\circ$
$a = 4 \text{ cm}$	$c = 3 \text{ cm}$	$a = 2 \text{ cm}$	$\alpha = 30^\circ$	$c = 3 \text{ cm}$	$c = 5 \text{ cm}$
$\gamma = 100^\circ$	$\gamma = 120^\circ$	$b = 10 \text{ cm}$	$b = 10 \text{ cm}$	$\beta = 30^\circ$	$\gamma = 40^\circ$
$\alpha = 50^\circ$	$a = 10 \text{ cm}$	$a = 6 \text{ cm}$	$\gamma = 110^\circ$	$a = 1 \text{ cm}$	$\alpha = 80^\circ$
$b = 4 \text{ cm}$	$c = 6 \text{ cm}$	$b = 2 \text{ cm}$	$\gamma = 10^\circ$	$b = 1 \text{ cm}$	$c = 1 \text{ cm}$
$b = 5 \text{ cm}$	$c = 2 \text{ cm}$	$\alpha = 30^\circ$	$c = 1 \text{ cm}$	$\gamma = 130^\circ$	$\beta = 60^\circ$

Kongruenz-Bingo (61)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$a = 10 \text{ cm}$	$\gamma = 40^\circ$	$b = 7 \text{ cm}$	$b = 6 \text{ cm}$	$\gamma = 90^\circ$	$a = 1 \text{ cm}$
$\gamma = 10^\circ$	$\gamma = 120^\circ$	$a = 1 \text{ cm}$	$\alpha = 10^\circ$	$\alpha = 80^\circ$	$c = 6 \text{ cm}$
$\gamma = 130^\circ$	$b = 4 \text{ cm}$	$a = 4 \text{ cm}$	$\beta = 90^\circ$	$c = 3 \text{ cm}$	$b = 2 \text{ cm}$
$b = 5 \text{ cm}$	$c = 7 \text{ cm}$	$a = 6 \text{ cm}$	$b = 10 \text{ cm}$	$a = 7 \text{ cm}$	$b = 7 \text{ cm}$
$\alpha = 50^\circ$	$a = 10 \text{ cm}$	$\beta = 100^\circ$	$\alpha = 120^\circ$	$\gamma = 40^\circ$	$a = 4 \text{ cm}$
$b = 8 \text{ cm}$	$\alpha = 30^\circ$	$c = 8 \text{ cm}$	$a = 9 \text{ cm}$	$c = 1 \text{ cm}$	$b = 9 \text{ cm}$
$\gamma = 75^\circ$	$\alpha = 60^\circ$	$b = 2 \text{ cm}$	$\gamma = 60^\circ$	$\beta = 90^\circ$	$\gamma = 120^\circ$
$\beta = 45^\circ$	$\alpha = 90^\circ$	$\gamma = 50^\circ$	$c = 5 \text{ cm}$	$c = 1 \text{ cm}$	$b = 6 \text{ cm}$
$c = 2 \text{ cm}$	$\beta = 70^\circ$	$b = 1 \text{ cm}$	$\alpha = 50^\circ$	$\gamma = 60^\circ$	$\beta = 60^\circ$
$c = 10 \text{ cm}$	$\alpha = 140^\circ$	$c = 2 \text{ cm}$	$\alpha = 20^\circ$	$\alpha = 90^\circ$	$\alpha = 45^\circ$
$\gamma = 90^\circ$	$c = 6 \text{ cm}$	$\beta = 30^\circ$	$b = 3 \text{ cm}$	$a = 9 \text{ cm}$	$a = 3 \text{ cm}$
$c = 8 \text{ cm}$	$b = 8 \text{ cm}$	$\alpha = 60^\circ$	$a = 8 \text{ cm}$	$\gamma = 100^\circ$	$\alpha = 45^\circ$
$c = 9 \text{ cm}$	$c = 4 \text{ cm}$	$\beta = 120^\circ$	$\alpha = 30^\circ$	$\beta = 50^\circ$	$\beta = 140^\circ$
$a = 6 \text{ cm}$	$\gamma = 10^\circ$	$a = 2 \text{ cm}$	$\gamma = 110^\circ$	$\beta = 100^\circ$	$\alpha = 80^\circ$
$a = 5 \text{ cm}$	$c = 7 \text{ cm}$	$b = 4 \text{ cm}$	$b = 5 \text{ cm}$	$b = 9 \text{ cm}$	$a = 7 \text{ cm}$
$\beta = 30^\circ$	$\beta = 45^\circ$	$b = 10 \text{ cm}$	$\beta = 140^\circ$	$\beta = 50^\circ$	$b = 1 \text{ cm}$
$\gamma = 110^\circ$	$\gamma = 130^\circ$	$\gamma = 100^\circ$	$b = 3 \text{ cm}$	$\gamma = 50^\circ$	$\alpha = 140^\circ$
$\beta = 70^\circ$	$a = 2 \text{ cm}$	$\beta = 20^\circ$	$c = 9 \text{ cm}$	$c = 5 \text{ cm}$	$\beta = 20^\circ$
$\alpha = 20^\circ$	$\alpha = 10^\circ$	$c = 10 \text{ cm}$	$a = 8 \text{ cm}$	$c = 4 \text{ cm}$	$a = 5 \text{ cm}$
$a = 3 \text{ cm}$	$\gamma = 75^\circ$	$c = 3 \text{ cm}$	$\alpha = 120^\circ$	$\beta = 60^\circ$	$\beta = 120^\circ$

Kongruenz-Bingo (62)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$b = 9 \text{ cm}$	$\alpha = 30^\circ$	$\alpha = 80^\circ$	$\alpha = 10^\circ$	$b = 8 \text{ cm}$	$\gamma = 110^\circ$
$\gamma = 40^\circ$	$\gamma = 10^\circ$	$\alpha = 60^\circ$	$\alpha = 90^\circ$	$\beta = 20^\circ$	$c = 7 \text{ cm}$
$\gamma = 75^\circ$	$a = 4 \text{ cm}$	$a = 7 \text{ cm}$	$b = 5 \text{ cm}$	$\alpha = 120^\circ$	$\gamma = 100^\circ$
$\beta = 140^\circ$	$\alpha = 50^\circ$	$\alpha = 120^\circ$	$c = 10 \text{ cm}$	$\gamma = 90^\circ$	$b = 5 \text{ cm}$
$b = 7 \text{ cm}$	$c = 1 \text{ cm}$	$\alpha = 50^\circ$	$\gamma = 10^\circ$	$c = 6 \text{ cm}$	$\beta = 60^\circ$
$\beta = 20^\circ$	$\beta = 120^\circ$	$c = 7 \text{ cm}$	$\beta = 50^\circ$	$b = 6 \text{ cm}$	$\gamma = 120^\circ$
$\beta = 50^\circ$	$a = 8 \text{ cm}$	$\gamma = 50^\circ$	$b = 4 \text{ cm}$	$\beta = 140^\circ$	$a = 1 \text{ cm}$
$b = 1 \text{ cm}$	$c = 8 \text{ cm}$	$a = 5 \text{ cm}$	$\alpha = 20^\circ$	$\gamma = 60^\circ$	$b = 4 \text{ cm}$
$a = 3 \text{ cm}$	$\gamma = 75^\circ$	$\gamma = 130^\circ$	$a = 2 \text{ cm}$	$\gamma = 90^\circ$	$a = 4 \text{ cm}$
$\alpha = 60^\circ$	$a = 1 \text{ cm}$	$b = 10 \text{ cm}$	$b = 10 \text{ cm}$	$\gamma = 120^\circ$	$\gamma = 60^\circ$
$\alpha = 80^\circ$	$c = 5 \text{ cm}$	$c = 4 \text{ cm}$	$\gamma = 40^\circ$	$\beta = 100^\circ$	$b = 7 \text{ cm}$
$\alpha = 45^\circ$	$c = 8 \text{ cm}$	$b = 2 \text{ cm}$	$b = 3 \text{ cm}$	$\beta = 70^\circ$	$a = 5 \text{ cm}$
$\alpha = 30^\circ$	$\beta = 90^\circ$	$\beta = 45^\circ$	$b = 8 \text{ cm}$	$a = 6 \text{ cm}$	$c = 3 \text{ cm}$
$\gamma = 110^\circ$	$\gamma = 50^\circ$	$\beta = 30^\circ$	$a = 7 \text{ cm}$	$a = 10 \text{ cm}$	$a = 9 \text{ cm}$
$\beta = 120^\circ$	$\alpha = 140^\circ$	$c = 5 \text{ cm}$	$b = 6 \text{ cm}$	$a = 9 \text{ cm}$	$\alpha = 20^\circ$
$a = 10 \text{ cm}$	$c = 10 \text{ cm}$	$c = 2 \text{ cm}$	$c = 6 \text{ cm}$	$\alpha = 10^\circ$	$\beta = 90^\circ$
$\beta = 30^\circ$	$\gamma = 100^\circ$	$a = 6 \text{ cm}$	$\gamma = 130^\circ$	$\beta = 45^\circ$	$c = 4 \text{ cm}$
$\alpha = 140^\circ$	$a = 8 \text{ cm}$	$c = 9 \text{ cm}$	$\alpha = 45^\circ$	$c = 2 \text{ cm}$	$a = 3 \text{ cm}$
$\alpha = 90^\circ$	$b = 9 \text{ cm}$	$c = 9 \text{ cm}$	$b = 1 \text{ cm}$	$b = 2 \text{ cm}$	$\beta = 70^\circ$
$a = 2 \text{ cm}$	$c = 1 \text{ cm}$	$b = 3 \text{ cm}$	$\beta = 100^\circ$	$c = 3 \text{ cm}$	$\beta = 60^\circ$

Kongruenz-Bingo (63)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\beta = 120^\circ$	$\alpha = 50^\circ$	$\gamma = 10^\circ$	$b = 2 \text{ cm}$	$a = 2 \text{ cm}$	$\beta = 70^\circ$
$b = 5 \text{ cm}$	$\alpha = 90^\circ$	$c = 4 \text{ cm}$	$b = 3 \text{ cm}$	$\beta = 60^\circ$	$\gamma = 120^\circ$
$b = 3 \text{ cm}$	$\alpha = 80^\circ$	$c = 9 \text{ cm}$	$\alpha = 30^\circ$	$\beta = 100^\circ$	$\gamma = 130^\circ$
$c = 2 \text{ cm}$	$c = 1 \text{ cm}$	$c = 5 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 60^\circ$	$a = 6 \text{ cm}$
$a = 8 \text{ cm}$	$a = 1 \text{ cm}$	$\beta = 120^\circ$	$\gamma = 50^\circ$	$\beta = 140^\circ$	$\beta = 20^\circ$
$\gamma = 100^\circ$	$\gamma = 40^\circ$	$c = 8 \text{ cm}$	$\alpha = 60^\circ$	$\beta = 90^\circ$	$\alpha = 80^\circ$
$\beta = 100^\circ$	$\alpha = 20^\circ$	$c = 4 \text{ cm}$	$\gamma = 110^\circ$	$b = 9 \text{ cm}$	$\beta = 20^\circ$
$\alpha = 140^\circ$	$c = 1 \text{ cm}$	$\beta = 140^\circ$	$\alpha = 50^\circ$	$a = 7 \text{ cm}$	$a = 5 \text{ cm}$
$\alpha = 20^\circ$	$a = 2 \text{ cm}$	$c = 6 \text{ cm}$	$\gamma = 40^\circ$	$\alpha = 140^\circ$	$\beta = 45^\circ$
$a = 7 \text{ cm}$	$\beta = 30^\circ$	$\alpha = 10^\circ$	$\beta = 50^\circ$	$\gamma = 120^\circ$	$\gamma = 100^\circ$
$\gamma = 130^\circ$	$c = 2 \text{ cm}$	$b = 4 \text{ cm}$	$\gamma = 60^\circ$	$\alpha = 90^\circ$	$\gamma = 90^\circ$
$\alpha = 45^\circ$	$\gamma = 75^\circ$	$b = 6 \text{ cm}$	$b = 1 \text{ cm}$	$a = 5 \text{ cm}$	$b = 7 \text{ cm}$
$\beta = 60^\circ$	$a = 10 \text{ cm}$	$b = 2 \text{ cm}$	$c = 7 \text{ cm}$	$b = 5 \text{ cm}$	$b = 6 \text{ cm}$
$b = 8 \text{ cm}$	$\gamma = 10^\circ$	$c = 10 \text{ cm}$	$\alpha = 120^\circ$	$\gamma = 90^\circ$	$\alpha = 30^\circ$
$c = 7 \text{ cm}$	$c = 6 \text{ cm}$	$b = 1 \text{ cm}$	$a = 3 \text{ cm}$	$c = 8 \text{ cm}$	$\gamma = 50^\circ$
$\alpha = 45^\circ$	$a = 8 \text{ cm}$	$b = 10 \text{ cm}$	$\beta = 90^\circ$	$b = 4 \text{ cm}$	$\alpha = 120^\circ$
$\gamma = 110^\circ$	$c = 5 \text{ cm}$	$a = 3 \text{ cm}$	$a = 4 \text{ cm}$	$\beta = 45^\circ$	$b = 8 \text{ cm}$
$b = 10 \text{ cm}$	$c = 10 \text{ cm}$	$a = 10 \text{ cm}$	$b = 7 \text{ cm}$	$a = 6 \text{ cm}$	$c = 3 \text{ cm}$
$a = 1 \text{ cm}$	$c = 9 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 75^\circ$	$\beta = 50^\circ$	$c = 3 \text{ cm}$
$\alpha = 10^\circ$	$\alpha = 60^\circ$	$a = 4 \text{ cm}$	$\beta = 30^\circ$	$b = 9 \text{ cm}$	$\beta = 70^\circ$

Kongruenz-Bingo (64)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\alpha = 10^\circ$	$a = 9 \text{ cm}$	$\alpha = 30^\circ$	$\beta = 45^\circ$	$\gamma = 75^\circ$	$\alpha = 120^\circ$
$c = 5 \text{ cm}$	$\alpha = 90^\circ$	$b = 5 \text{ cm}$	$\gamma = 50^\circ$	$c = 6 \text{ cm}$	$a = 2 \text{ cm}$
$c = 8 \text{ cm}$	$c = 4 \text{ cm}$	$b = 9 \text{ cm}$	$b = 10 \text{ cm}$	$b = 7 \text{ cm}$	$b = 10 \text{ cm}$
$\gamma = 60^\circ$	$\gamma = 40^\circ$	$b = 8 \text{ cm}$	$\gamma = 50^\circ$	$\gamma = 60^\circ$	$c = 10 \text{ cm}$
$a = 6 \text{ cm}$	$\gamma = 130^\circ$	$b = 5 \text{ cm}$	$\alpha = 140^\circ$	$b = 9 \text{ cm}$	$\gamma = 130^\circ$
$\gamma = 40^\circ$	$c = 6 \text{ cm}$	$c = 1 \text{ cm}$	$\beta = 60^\circ$	$a = 5 \text{ cm}$	$\gamma = 120^\circ$
$c = 9 \text{ cm}$	$c = 9 \text{ cm}$	$\beta = 50^\circ$	$\gamma = 10^\circ$	$a = 3 \text{ cm}$	$\alpha = 20^\circ$
$b = 3 \text{ cm}$	$c = 5 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 10^\circ$	$\alpha = 50^\circ$	$c = 10 \text{ cm}$
$c = 7 \text{ cm}$	$b = 1 \text{ cm}$	$\beta = 20^\circ$	$\beta = 70^\circ$	$\gamma = 75^\circ$	$a = 7 \text{ cm}$
$\beta = 30^\circ$	$\alpha = 45^\circ$	$\gamma = 90^\circ$	$\beta = 100^\circ$	$b = 2 \text{ cm}$	$c = 2 \text{ cm}$
$\gamma = 100^\circ$	$b = 4 \text{ cm}$	$a = 6 \text{ cm}$	$a = 3 \text{ cm}$	$\beta = 90^\circ$	$b = 6 \text{ cm}$
$\alpha = 50^\circ$	$b = 7 \text{ cm}$	$\alpha = 30^\circ$	$b = 2 \text{ cm}$	$b = 6 \text{ cm}$	$a = 8 \text{ cm}$
$\alpha = 10^\circ$	$\alpha = 90^\circ$	$c = 2 \text{ cm}$	$a = 5 \text{ cm}$	$b = 4 \text{ cm}$	$a = 4 \text{ cm}$
$\beta = 120^\circ$	$\gamma = 110^\circ$	$a = 4 \text{ cm}$	$a = 1 \text{ cm}$	$c = 3 \text{ cm}$	$\alpha = 120^\circ$
$a = 1 \text{ cm}$	$\alpha = 80^\circ$	$\alpha = 45^\circ$	$c = 3 \text{ cm}$	$\alpha = 20^\circ$	$\gamma = 90^\circ$
$\beta = 120^\circ$	$\beta = 140^\circ$	$\beta = 50^\circ$	$\gamma = 100^\circ$	$\alpha = 60^\circ$	$\beta = 30^\circ$
$a = 2 \text{ cm}$	$c = 8 \text{ cm}$	$\gamma = 120^\circ$	$c = 4 \text{ cm}$	$\gamma = 110^\circ$	$a = 10 \text{ cm}$
$\alpha = 140^\circ$	$\beta = 20^\circ$	$b = 3 \text{ cm}$	$c = 7 \text{ cm}$	$\beta = 45^\circ$	$\beta = 140^\circ$
$a = 10 \text{ cm}$	$\beta = 100^\circ$	$\alpha = 60^\circ$	$b = 1 \text{ cm}$	$\alpha = 80^\circ$	$c = 1 \text{ cm}$
$a = 7 \text{ cm}$	$b = 8 \text{ cm}$	$a = 8 \text{ cm}$	$\beta = 70^\circ$	$\beta = 90^\circ$	$\beta = 60^\circ$

Kongruenz-Bingo (65)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$c = 10 \text{ cm}$	$c = 9 \text{ cm}$	$b = 6 \text{ cm}$	$\alpha = 50^\circ$	$\gamma = 130^\circ$	$c = 7 \text{ cm}$
$c = 4 \text{ cm}$	$c = 3 \text{ cm}$	$\beta = 50^\circ$	$c = 6 \text{ cm}$	$\alpha = 120^\circ$	$\gamma = 90^\circ$
$\alpha = 90^\circ$	$\beta = 70^\circ$	$a = 4 \text{ cm}$	$\gamma = 60^\circ$	$\beta = 20^\circ$	$c = 5 \text{ cm}$
$b = 8 \text{ cm}$	$b = 3 \text{ cm}$	$a = 9 \text{ cm}$	$a = 10 \text{ cm}$	$a = 5 \text{ cm}$	$b = 10 \text{ cm}$
$a = 4 \text{ cm}$	$c = 2 \text{ cm}$	$\beta = 90^\circ$	$\alpha = 20^\circ$	$a = 3 \text{ cm}$	$\beta = 120^\circ$
$c = 6 \text{ cm}$	$a = 10 \text{ cm}$	$a = 5 \text{ cm}$	$c = 4 \text{ cm}$	$b = 1 \text{ cm}$	$\gamma = 110^\circ$
$a = 8 \text{ cm}$	$a = 2 \text{ cm}$	$\beta = 30^\circ$	$\gamma = 60^\circ$	$\beta = 100^\circ$	$\alpha = 30^\circ$
$c = 1 \text{ cm}$	$\alpha = 30^\circ$	$a = 1 \text{ cm}$	$b = 5 \text{ cm}$	$b = 2 \text{ cm}$	$\beta = 45^\circ$
$\gamma = 100^\circ$	$c = 9 \text{ cm}$	$b = 1 \text{ cm}$	$b = 6 \text{ cm}$	$\gamma = 75^\circ$	$a = 1 \text{ cm}$
$\gamma = 40^\circ$	$c = 10 \text{ cm}$	$\gamma = 120^\circ$	$\beta = 20^\circ$	$a = 2 \text{ cm}$	$a = 7 \text{ cm}$
$b = 7 \text{ cm}$	$\beta = 60^\circ$	$b = 9 \text{ cm}$	$\gamma = 110^\circ$	$\alpha = 10^\circ$	$c = 5 \text{ cm}$
$\beta = 30^\circ$	$\beta = 100^\circ$	$\gamma = 40^\circ$	$c = 3 \text{ cm}$	$a = 7 \text{ cm}$	$\gamma = 50^\circ$
$b = 7 \text{ cm}$	$\gamma = 10^\circ$	$\alpha = 45^\circ$	$b = 10 \text{ cm}$	$\alpha = 90^\circ$	$\alpha = 10^\circ$
$\alpha = 80^\circ$	$\alpha = 50^\circ$	$\beta = 70^\circ$	$\gamma = 130^\circ$	$b = 4 \text{ cm}$	$\gamma = 10^\circ$
$\beta = 140^\circ$	$c = 8 \text{ cm}$	$\beta = 45^\circ$	$\alpha = 120^\circ$	$\beta = 50^\circ$	$b = 4 \text{ cm}$
$a = 3 \text{ cm}$	$c = 1 \text{ cm}$	$\gamma = 120^\circ$	$\gamma = 50^\circ$	$\gamma = 100^\circ$	$a = 8 \text{ cm}$
$c = 8 \text{ cm}$	$\alpha = 140^\circ$	$\alpha = 80^\circ$	$\gamma = 90^\circ$	$a = 6 \text{ cm}$	$\alpha = 140^\circ$
$c = 7 \text{ cm}$	$b = 2 \text{ cm}$	$b = 5 \text{ cm}$	$b = 9 \text{ cm}$	$a = 9 \text{ cm}$	$\beta = 60^\circ$
$a = 6 \text{ cm}$	$\beta = 90^\circ$	$\gamma = 75^\circ$	$\alpha = 60^\circ$	$c = 2 \text{ cm}$	$b = 3 \text{ cm}$
$\alpha = 20^\circ$	$\alpha = 45^\circ$	$\beta = 120^\circ$	$\alpha = 60^\circ$	$\beta = 140^\circ$	$b = 8 \text{ cm}$

Kongruenz-Bingo (66)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$c = 5 \text{ cm}$	$\gamma = 75^\circ$	$\beta = 140^\circ$	$a = 9 \text{ cm}$	$\gamma = 40^\circ$	$b = 1 \text{ cm}$
$\beta = 45^\circ$	$\gamma = 120^\circ$	$c = 3 \text{ cm}$	$\gamma = 130^\circ$	$\alpha = 45^\circ$	$a = 1 \text{ cm}$
$c = 9 \text{ cm}$	$\beta = 20^\circ$	$c = 10 \text{ cm}$	$\alpha = 60^\circ$	$a = 2 \text{ cm}$	$c = 7 \text{ cm}$
$c = 2 \text{ cm}$	$a = 1 \text{ cm}$	$b = 7 \text{ cm}$	$\alpha = 140^\circ$	$c = 2 \text{ cm}$	$\alpha = 45^\circ$
$c = 6 \text{ cm}$	$b = 6 \text{ cm}$	$\beta = 100^\circ$	$a = 2 \text{ cm}$	$b = 5 \text{ cm}$	$\alpha = 50^\circ$
$b = 4 \text{ cm}$	$c = 4 \text{ cm}$	$c = 8 \text{ cm}$	$a = 4 \text{ cm}$	$c = 1 \text{ cm}$	$\gamma = 100^\circ$
$\gamma = 40^\circ$	$a = 10 \text{ cm}$	$\alpha = 90^\circ$	$c = 8 \text{ cm}$	$\gamma = 10^\circ$	$c = 9 \text{ cm}$
$\alpha = 60^\circ$	$a = 6 \text{ cm}$	$c = 7 \text{ cm}$	$\beta = 60^\circ$	$a = 7 \text{ cm}$	$\alpha = 50^\circ$
$\gamma = 110^\circ$	$a = 7 \text{ cm}$	$\gamma = 100^\circ$	$a = 5 \text{ cm}$	$\gamma = 110^\circ$	$\beta = 60^\circ$
$\alpha = 120^\circ$	$b = 10 \text{ cm}$	$\beta = 120^\circ$	$\beta = 90^\circ$	$\alpha = 90^\circ$	$\alpha = 80^\circ$
$b = 8 \text{ cm}$	$c = 6 \text{ cm}$	$c = 5 \text{ cm}$	$a = 9 \text{ cm}$	$c = 10 \text{ cm}$	$\beta = 70^\circ$
$\gamma = 75^\circ$	$b = 7 \text{ cm}$	$\gamma = 130^\circ$	$a = 8 \text{ cm}$	$\gamma = 50^\circ$	$b = 10 \text{ cm}$
$\beta = 50^\circ$	$\beta = 50^\circ$	$\alpha = 30^\circ$	$\gamma = 120^\circ$	$\alpha = 20^\circ$	$\gamma = 90^\circ$
$b = 8 \text{ cm}$	$c = 1 \text{ cm}$	$a = 3 \text{ cm}$	$b = 9 \text{ cm}$	$\gamma = 10^\circ$	$b = 1 \text{ cm}$
$\alpha = 120^\circ$	$\beta = 90^\circ$	$b = 4 \text{ cm}$	$\alpha = 80^\circ$	$b = 3 \text{ cm}$	$a = 10 \text{ cm}$
$\alpha = 10^\circ$	$a = 8 \text{ cm}$	$\beta = 45^\circ$	$a = 3 \text{ cm}$	$b = 5 \text{ cm}$	$b = 9 \text{ cm}$
$\alpha = 10^\circ$	$\beta = 100^\circ$	$\beta = 120^\circ$	$\alpha = 140^\circ$	$c = 3 \text{ cm}$	$\alpha = 30^\circ$
$a = 4 \text{ cm}$	$b = 6 \text{ cm}$	$\beta = 30^\circ$	$a = 6 \text{ cm}$	$\alpha = 20^\circ$	$\gamma = 60^\circ$
$b = 2 \text{ cm}$	$\beta = 30^\circ$	$a = 5 \text{ cm}$	$\beta = 140^\circ$	$b = 3 \text{ cm}$	$c = 4 \text{ cm}$
$\gamma = 90^\circ$	$b = 2 \text{ cm}$	$\beta = 20^\circ$	$\gamma = 50^\circ$	$\beta = 70^\circ$	$\gamma = 60^\circ$

Kongruenz-Bingo (67)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$b = 2 \text{ cm}$	$\alpha = 60^\circ$	$b = 10 \text{ cm}$	$\beta = 30^\circ$	$\beta = 120^\circ$	$b = 3 \text{ cm}$
$\beta = 45^\circ$	$c = 8 \text{ cm}$	$b = 7 \text{ cm}$	$\gamma = 110^\circ$	$\alpha = 10^\circ$	$c = 9 \text{ cm}$
$c = 5 \text{ cm}$	$\alpha = 30^\circ$	$b = 2 \text{ cm}$	$\alpha = 50^\circ$	$b = 7 \text{ cm}$	$\gamma = 100^\circ$
$\alpha = 90^\circ$	$a = 2 \text{ cm}$	$\alpha = 10^\circ$	$c = 1 \text{ cm}$	$\gamma = 40^\circ$	$\alpha = 60^\circ$
$b = 9 \text{ cm}$	$\beta = 70^\circ$	$\alpha = 20^\circ$	$b = 5 \text{ cm}$	$a = 8 \text{ cm}$	$\gamma = 50^\circ$
$c = 2 \text{ cm}$	$\alpha = 50^\circ$	$b = 8 \text{ cm}$	$\gamma = 100^\circ$	$c = 3 \text{ cm}$	$\alpha = 90^\circ$
$c = 5 \text{ cm}$	$\beta = 20^\circ$	$c = 10 \text{ cm}$	$a = 3 \text{ cm}$	$\beta = 90^\circ$	$\gamma = 50^\circ$
$\alpha = 20^\circ$	$a = 5 \text{ cm}$	$\beta = 100^\circ$	$\beta = 120^\circ$	$b = 3 \text{ cm}$	$b = 8 \text{ cm}$
$a = 4 \text{ cm}$	$b = 5 \text{ cm}$	$c = 6 \text{ cm}$	$a = 1 \text{ cm}$	$\beta = 50^\circ$	$\gamma = 10^\circ$
$\gamma = 40^\circ$	$\alpha = 80^\circ$	$c = 9 \text{ cm}$	$\beta = 70^\circ$	$\beta = 140^\circ$	$b = 1 \text{ cm}$
$b = 6 \text{ cm}$	$a = 7 \text{ cm}$	$\beta = 60^\circ$	$a = 10 \text{ cm}$	$\gamma = 130^\circ$	$\beta = 60^\circ$
$\alpha = 140^\circ$	$\alpha = 45^\circ$	$b = 10 \text{ cm}$	$c = 7 \text{ cm}$	$\alpha = 140^\circ$	$\alpha = 30^\circ$
$a = 1 \text{ cm}$	$a = 7 \text{ cm}$	$c = 7 \text{ cm}$	$a = 4 \text{ cm}$	$\beta = 45^\circ$	$c = 1 \text{ cm}$
$\beta = 140^\circ$	$b = 4 \text{ cm}$	$c = 8 \text{ cm}$	$b = 6 \text{ cm}$	$\alpha = 120^\circ$	$a = 6 \text{ cm}$
$\alpha = 80^\circ$	$\gamma = 130^\circ$	$c = 4 \text{ cm}$	$\gamma = 90^\circ$	$a = 6 \text{ cm}$	$\gamma = 120^\circ$
$c = 2 \text{ cm}$	$\beta = 50^\circ$	$b = 1 \text{ cm}$	$\gamma = 10^\circ$	$\beta = 30^\circ$	$a = 2 \text{ cm}$
$b = 4 \text{ cm}$	$a = 5 \text{ cm}$	$\beta = 20^\circ$	$\gamma = 120^\circ$	$\alpha = 120^\circ$	$\beta = 100^\circ$
$c = 10 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 75^\circ$	$c = 3 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 75^\circ$
$a = 10 \text{ cm}$	$a = 3 \text{ cm}$	$b = 9 \text{ cm}$	$a = 8 \text{ cm}$	$\gamma = 110^\circ$	$\beta = 90^\circ$
$\gamma = 60^\circ$	$\alpha = 45^\circ$	$c = 4 \text{ cm}$	$\gamma = 60^\circ$	$\gamma = 90^\circ$	$c = 6 \text{ cm}$

Kongruenz-Bingo (68)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$a = 10 \text{ cm}$	$b = 10 \text{ cm}$	$\alpha = 45^\circ$	$a = 3 \text{ cm}$	$c = 3 \text{ cm}$	$c = 7 \text{ cm}$
$\gamma = 75^\circ$	$\gamma = 40^\circ$	$\beta = 120^\circ$	$\gamma = 120^\circ$	$b = 8 \text{ cm}$	$b = 10 \text{ cm}$
$a = 7 \text{ cm}$	$b = 4 \text{ cm}$	$b = 9 \text{ cm}$	$\gamma = 50^\circ$	$b = 6 \text{ cm}$	$\alpha = 30^\circ$
$a = 4 \text{ cm}$	$\beta = 45^\circ$	$c = 8 \text{ cm}$	$a = 1 \text{ cm}$	$\alpha = 120^\circ$	$c = 4 \text{ cm}$
$b = 7 \text{ cm}$	$\gamma = 120^\circ$	$b = 3 \text{ cm}$	$b = 6 \text{ cm}$	$b = 5 \text{ cm}$	$\beta = 140^\circ$
$\gamma = 90^\circ$	$\gamma = 90^\circ$	$c = 6 \text{ cm}$	$b = 3 \text{ cm}$	$c = 7 \text{ cm}$	$\gamma = 60^\circ$
$c = 10 \text{ cm}$	$\gamma = 100^\circ$	$\alpha = 50^\circ$	$\gamma = 50^\circ$	$a = 8 \text{ cm}$	$c = 2 \text{ cm}$
$\alpha = 10^\circ$	$\gamma = 110^\circ$	$\gamma = 60^\circ$	$\alpha = 90^\circ$	$\alpha = 20^\circ$	$a = 6 \text{ cm}$
$\alpha = 120^\circ$	$c = 9 \text{ cm}$	$a = 2 \text{ cm}$	$\beta = 70^\circ$	$\gamma = 10^\circ$	$\alpha = 140^\circ$
$\beta = 45^\circ$	$\beta = 100^\circ$	$\beta = 30^\circ$	$a = 7 \text{ cm}$	$\alpha = 60^\circ$	$\beta = 120^\circ$
$b = 9 \text{ cm}$	$\gamma = 110^\circ$	$a = 9 \text{ cm}$	$b = 8 \text{ cm}$	$a = 5 \text{ cm}$	$c = 8 \text{ cm}$
$b = 5 \text{ cm}$	$\alpha = 30^\circ$	$a = 2 \text{ cm}$	$c = 10 \text{ cm}$	$\beta = 60^\circ$	$\gamma = 40^\circ$
$c = 2 \text{ cm}$	$\alpha = 50^\circ$	$\alpha = 20^\circ$	$a = 1 \text{ cm}$	$\beta = 60^\circ$	$\beta = 50^\circ$
$c = 5 \text{ cm}$	$\alpha = 80^\circ$	$b = 2 \text{ cm}$	$\beta = 20^\circ$	$\alpha = 140^\circ$	$b = 2 \text{ cm}$
$c = 6 \text{ cm}$	$\alpha = 90^\circ$	$\gamma = 100^\circ$	$b = 1 \text{ cm}$	$b = 4 \text{ cm}$	$\beta = 90^\circ$
$c = 9 \text{ cm}$	$\beta = 100^\circ$	$\gamma = 130^\circ$	$\alpha = 10^\circ$	$\alpha = 60^\circ$	$c = 1 \text{ cm}$
$\alpha = 45^\circ$	$b = 1 \text{ cm}$	$\alpha = 80^\circ$	$\beta = 70^\circ$	$a = 8 \text{ cm}$	$a = 10 \text{ cm}$
$\gamma = 75^\circ$	$\gamma = 130^\circ$	$\beta = 50^\circ$	$b = 7 \text{ cm}$	$\beta = 20^\circ$	$a = 3 \text{ cm}$
$\beta = 30^\circ$	$a = 5 \text{ cm}$	$c = 1 \text{ cm}$	$\beta = 140^\circ$	$\beta = 90^\circ$	$\gamma = 10^\circ$
$a = 6 \text{ cm}$	$c = 4 \text{ cm}$	$c = 5 \text{ cm}$	$c = 3 \text{ cm}$	$a = 4 \text{ cm}$	$a = 9 \text{ cm}$

Kongruenz-Bingo (69)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$c = 10 \text{ cm}$	$c = 9 \text{ cm}$	$b = 10 \text{ cm}$	$\beta = 90^\circ$	$b = 5 \text{ cm}$	$\beta = 120^\circ$
$a = 8 \text{ cm}$	$c = 5 \text{ cm}$	$\beta = 60^\circ$	$\alpha = 50^\circ$	$c = 8 \text{ cm}$	$\gamma = 120^\circ$
$\gamma = 10^\circ$	$c = 6 \text{ cm}$	$a = 3 \text{ cm}$	$a = 8 \text{ cm}$	$\beta = 30^\circ$	$\beta = 50^\circ$
$\gamma = 100^\circ$	$\beta = 45^\circ$	$\alpha = 50^\circ$	$\gamma = 130^\circ$	$\alpha = 10^\circ$	$a = 1 \text{ cm}$
$b = 5 \text{ cm}$	$\beta = 70^\circ$	$b = 1 \text{ cm}$	$\alpha = 60^\circ$	$c = 2 \text{ cm}$	$c = 9 \text{ cm}$
$b = 4 \text{ cm}$	$\alpha = 10^\circ$	$c = 7 \text{ cm}$	$b = 2 \text{ cm}$	$\gamma = 90^\circ$	$a = 6 \text{ cm}$
$\beta = 90^\circ$	$a = 5 \text{ cm}$	$\gamma = 130^\circ$	$a = 10 \text{ cm}$	$\gamma = 90^\circ$	$c = 8 \text{ cm}$
$b = 8 \text{ cm}$	$a = 7 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 120^\circ$	$c = 1 \text{ cm}$	$\alpha = 45^\circ$
$\beta = 140^\circ$	$a = 1 \text{ cm}$	$b = 10 \text{ cm}$	$\gamma = 100^\circ$	$\beta = 20^\circ$	$\alpha = 20^\circ$
$\alpha = 120^\circ$	$a = 10 \text{ cm}$	$c = 2 \text{ cm}$	$\gamma = 40^\circ$	$\alpha = 90^\circ$	$\beta = 120^\circ$
$a = 6 \text{ cm}$	$\alpha = 80^\circ$	$\gamma = 50^\circ$	$\beta = 30^\circ$	$\alpha = 80^\circ$	$\alpha = 90^\circ$
$\alpha = 140^\circ$	$\gamma = 75^\circ$	$b = 9 \text{ cm}$	$b = 4 \text{ cm}$	$\gamma = 60^\circ$	$\beta = 100^\circ$
$\gamma = 75^\circ$	$a = 3 \text{ cm}$	$c = 6 \text{ cm}$	$a = 4 \text{ cm}$	$\alpha = 20^\circ$	$\alpha = 30^\circ$
$\alpha = 30^\circ$	$\alpha = 45^\circ$	$c = 10 \text{ cm}$	$a = 7 \text{ cm}$	$b = 7 \text{ cm}$	$c = 4 \text{ cm}$
$b = 9 \text{ cm}$	$\gamma = 50^\circ$	$a = 9 \text{ cm}$	$b = 3 \text{ cm}$	$\beta = 45^\circ$	$\alpha = 60^\circ$
$\gamma = 110^\circ$	$b = 8 \text{ cm}$	$a = 4 \text{ cm}$	$\alpha = 120^\circ$	$\gamma = 60^\circ$	$\beta = 60^\circ$
$a = 5 \text{ cm}$	$\beta = 140^\circ$	$c = 3 \text{ cm}$	$b = 7 \text{ cm}$	$\gamma = 40^\circ$	$b = 3 \text{ cm}$
$c = 3 \text{ cm}$	$b = 6 \text{ cm}$	$a = 2 \text{ cm}$	$c = 1 \text{ cm}$	$c = 4 \text{ cm}$	$\beta = 100^\circ$
$c = 7 \text{ cm}$	$\alpha = 140^\circ$	$b = 2 \text{ cm}$	$\beta = 20^\circ$	$b = 6 \text{ cm}$	$\gamma = 110^\circ$
$\beta = 70^\circ$	$a = 2 \text{ cm}$	$\gamma = 10^\circ$	$\beta = 50^\circ$	$c = 5 \text{ cm}$	$b = 1 \text{ cm}$

Kongruenz-Bingo (70)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$a = 8 \text{ cm}$	$\alpha = 20^\circ$	$\gamma = 90^\circ$	$\beta = 100^\circ$	$c = 4 \text{ cm}$	$\gamma = 40^\circ$
$a = 6 \text{ cm}$	$c = 6 \text{ cm}$	$\beta = 30^\circ$	$\gamma = 130^\circ$	$b = 1 \text{ cm}$	$b = 3 \text{ cm}$
$\alpha = 90^\circ$	$\alpha = 140^\circ$	$a = 7 \text{ cm}$	$a = 4 \text{ cm}$	$\beta = 50^\circ$	$a = 3 \text{ cm}$
$\alpha = 30^\circ$	$\alpha = 50^\circ$	$b = 4 \text{ cm}$	$\gamma = 100^\circ$	$a = 4 \text{ cm}$	$\alpha = 120^\circ$
$\alpha = 30^\circ$	$\beta = 70^\circ$	$\beta = 120^\circ$	$\alpha = 10^\circ$	$b = 4 \text{ cm}$	$\alpha = 10^\circ$
$b = 6 \text{ cm}$	$\gamma = 50^\circ$	$\alpha = 45^\circ$	$a = 1 \text{ cm}$	$\gamma = 130^\circ$	$\beta = 45^\circ$
$\beta = 70^\circ$	$c = 1 \text{ cm}$	$b = 2 \text{ cm}$	$b = 8 \text{ cm}$	$\gamma = 60^\circ$	$\alpha = 45^\circ$
$c = 9 \text{ cm}$	$c = 1 \text{ cm}$	$\beta = 90^\circ$	$\gamma = 40^\circ$	$a = 5 \text{ cm}$	$b = 6 \text{ cm}$
$\beta = 45^\circ$	$\gamma = 10^\circ$	$b = 10 \text{ cm}$	$a = 7 \text{ cm}$	$a = 1 \text{ cm}$	$c = 2 \text{ cm}$
$b = 8 \text{ cm}$	$\beta = 20^\circ$	$a = 2 \text{ cm}$	$\beta = 120^\circ$	$c = 7 \text{ cm}$	$b = 3 \text{ cm}$
$c = 7 \text{ cm}$	$b = 9 \text{ cm}$	$c = 5 \text{ cm}$	$c = 10 \text{ cm}$	$c = 8 \text{ cm}$	$\beta = 20^\circ$
$\gamma = 90^\circ$	$a = 5 \text{ cm}$	$\gamma = 75^\circ$	$\gamma = 110^\circ$	$c = 2 \text{ cm}$	$c = 9 \text{ cm}$
$\alpha = 80^\circ$	$\alpha = 90^\circ$	$a = 9 \text{ cm}$	$a = 6 \text{ cm}$	$b = 1 \text{ cm}$	$\gamma = 120^\circ$
$\gamma = 120^\circ$	$b = 5 \text{ cm}$	$\alpha = 60^\circ$	$\gamma = 10^\circ$	$\beta = 90^\circ$	$c = 4 \text{ cm}$
$c = 8 \text{ cm}$	$a = 9 \text{ cm}$	$b = 5 \text{ cm}$	$b = 9 \text{ cm}$	$\alpha = 60^\circ$	$c = 3 \text{ cm}$
$\beta = 60^\circ$	$c = 6 \text{ cm}$	$\beta = 50^\circ$	$b = 7 \text{ cm}$	$a = 2 \text{ cm}$	$\alpha = 80^\circ$
$\beta = 140^\circ$	$\alpha = 140^\circ$	$\beta = 60^\circ$	$c = 5 \text{ cm}$	$\gamma = 60^\circ$	$b = 7 \text{ cm}$
$\gamma = 100^\circ$	$\alpha = 20^\circ$	$c = 3 \text{ cm}$	$a = 10 \text{ cm}$	$\gamma = 75^\circ$	$\alpha = 50^\circ$
$c = 10 \text{ cm}$	$a = 10 \text{ cm}$	$\beta = 30^\circ$	$\gamma = 110^\circ$	$b = 2 \text{ cm}$	$b = 10 \text{ cm}$
$\gamma = 50^\circ$	$\beta = 140^\circ$	$a = 8 \text{ cm}$	$a = 3 \text{ cm}$	$\beta = 100^\circ$	$\alpha = 120^\circ$

Kongruenz-Bingo (71)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$b = 9 \text{ cm}$	$a = 8 \text{ cm}$	$\alpha = 30^\circ$	$\alpha = 20^\circ$	$c = 1 \text{ cm}$	$c = 4 \text{ cm}$
$a = 4 \text{ cm}$	$\alpha = 30^\circ$	$\gamma = 120^\circ$	$c = 3 \text{ cm}$	$\beta = 140^\circ$	$\gamma = 50^\circ$
$c = 8 \text{ cm}$	$\gamma = 100^\circ$	$\alpha = 80^\circ$	$\alpha = 10^\circ$	$a = 2 \text{ cm}$	$b = 8 \text{ cm}$
$\gamma = 120^\circ$	$\beta = 120^\circ$	$\alpha = 45^\circ$	$\gamma = 50^\circ$	$a = 6 \text{ cm}$	$b = 7 \text{ cm}$
$a = 10 \text{ cm}$	$\alpha = 45^\circ$	$a = 7 \text{ cm}$	$\beta = 20^\circ$	$b = 1 \text{ cm}$	$c = 5 \text{ cm}$
$b = 10 \text{ cm}$	$\beta = 50^\circ$	$b = 3 \text{ cm}$	$\gamma = 40^\circ$	$\alpha = 60^\circ$	$c = 6 \text{ cm}$
$a = 8 \text{ cm}$	$b = 9 \text{ cm}$	$c = 9 \text{ cm}$	$\beta = 100^\circ$	$\alpha = 20^\circ$	$\gamma = 60^\circ$
$\alpha = 120^\circ$	$a = 10 \text{ cm}$	$c = 8 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 110^\circ$	$c = 10 \text{ cm}$
$b = 10 \text{ cm}$	$c = 5 \text{ cm}$	$c = 6 \text{ cm}$	$\alpha = 80^\circ$	$\alpha = 50^\circ$	$\alpha = 60^\circ$
$\beta = 70^\circ$	$\gamma = 90^\circ$	$b = 3 \text{ cm}$	$c = 3 \text{ cm}$	$\beta = 70^\circ$	$c = 1 \text{ cm}$
$b = 7 \text{ cm}$	$\beta = 140^\circ$	$a = 3 \text{ cm}$	$c = 4 \text{ cm}$	$b = 6 \text{ cm}$	$a = 3 \text{ cm}$
$\gamma = 130^\circ$	$b = 8 \text{ cm}$	$\gamma = 60^\circ$	$\gamma = 90^\circ$	$a = 4 \text{ cm}$	$\gamma = 110^\circ$
$\beta = 60^\circ$	$b = 6 \text{ cm}$	$\gamma = 75^\circ$	$c = 10 \text{ cm}$	$b = 1 \text{ cm}$	$\gamma = 75^\circ$
$\beta = 100^\circ$	$b = 5 \text{ cm}$	$c = 2 \text{ cm}$	$\alpha = 140^\circ$	$\gamma = 10^\circ$	$a = 1 \text{ cm}$
$\alpha = 140^\circ$	$\gamma = 10^\circ$	$c = 2 \text{ cm}$	$c = 7 \text{ cm}$	$\alpha = 90^\circ$	$b = 2 \text{ cm}$
$\beta = 30^\circ$	$\gamma = 100^\circ$	$\beta = 120^\circ$	$a = 9 \text{ cm}$	$\beta = 30^\circ$	$b = 2 \text{ cm}$
$\alpha = 10^\circ$	$\alpha = 50^\circ$	$\beta = 90^\circ$	$\beta = 45^\circ$	$a = 5 \text{ cm}$	$a = 7 \text{ cm}$
$a = 1 \text{ cm}$	$\beta = 20^\circ$	$c = 7 \text{ cm}$	$b = 4 \text{ cm}$	$\beta = 90^\circ$	$\alpha = 90^\circ$
$\gamma = 40^\circ$	$c = 9 \text{ cm}$	$b = 4 \text{ cm}$	$a = 2 \text{ cm}$	$a = 6 \text{ cm}$	$\beta = 50^\circ$
$\beta = 60^\circ$	$\gamma = 130^\circ$	$a = 5 \text{ cm}$	$\alpha = 120^\circ$	$b = 5 \text{ cm}$	$\beta = 45^\circ$

Kongruenz-Bingo (72)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\beta = 20^\circ$	$\alpha = 20^\circ$	$\alpha = 80^\circ$	$\gamma = 40^\circ$	$\alpha = 60^\circ$	$a = 3 \text{ cm}$
$b = 1 \text{ cm}$	$b = 1 \text{ cm}$	$b = 9 \text{ cm}$	$c = 4 \text{ cm}$	$a = 8 \text{ cm}$	$\gamma = 75^\circ$
$\gamma = 110^\circ$	$\alpha = 10^\circ$	$b = 4 \text{ cm}$	$\beta = 50^\circ$	$\beta = 90^\circ$	$c = 4 \text{ cm}$
$\gamma = 130^\circ$	$\gamma = 60^\circ$	$\beta = 45^\circ$	$\alpha = 30^\circ$	$\alpha = 90^\circ$	$\alpha = 60^\circ$
$c = 2 \text{ cm}$	$a = 10 \text{ cm}$	$\alpha = 120^\circ$	$\beta = 60^\circ$	$\beta = 30^\circ$	$c = 8 \text{ cm}$
$a = 5 \text{ cm}$	$\gamma = 40^\circ$	$\gamma = 90^\circ$	$c = 1 \text{ cm}$	$\alpha = 30^\circ$	$b = 8 \text{ cm}$
$\gamma = 10^\circ$	$a = 4 \text{ cm}$	$\beta = 100^\circ$	$\alpha = 50^\circ$	$\alpha = 80^\circ$	$\gamma = 50^\circ$
$a = 8 \text{ cm}$	$\alpha = 140^\circ$	$\gamma = 100^\circ$	$a = 5 \text{ cm}$	$b = 7 \text{ cm}$	$\alpha = 20^\circ$
$\gamma = 75^\circ$	$a = 7 \text{ cm}$	$c = 10 \text{ cm}$	$c = 1 \text{ cm}$	$c = 7 \text{ cm}$	$\gamma = 10^\circ$
$c = 7 \text{ cm}$	$\beta = 120^\circ$	$\alpha = 50^\circ$	$a = 2 \text{ cm}$	$\beta = 30^\circ$	$c = 5 \text{ cm}$
$c = 2 \text{ cm}$	$\gamma = 110^\circ$	$b = 7 \text{ cm}$	$\alpha = 140^\circ$	$\alpha = 45^\circ$	$a = 10 \text{ cm}$
$b = 10 \text{ cm}$	$a = 4 \text{ cm}$	$a = 2 \text{ cm}$	$\gamma = 120^\circ$	$b = 5 \text{ cm}$	$\beta = 45^\circ$
$a = 1 \text{ cm}$	$c = 5 \text{ cm}$	$\beta = 70^\circ$	$\beta = 140^\circ$	$\beta = 50^\circ$	$c = 3 \text{ cm}$
$\beta = 20^\circ$	$\alpha = 10^\circ$	$\gamma = 90^\circ$	$\gamma = 120^\circ$	$\beta = 140^\circ$	$a = 9 \text{ cm}$
$\beta = 90^\circ$	$\gamma = 130^\circ$	$b = 10 \text{ cm}$	$b = 2 \text{ cm}$	$b = 5 \text{ cm}$	$\alpha = 45^\circ$
$a = 1 \text{ cm}$	$a = 9 \text{ cm}$	$c = 6 \text{ cm}$	$b = 3 \text{ cm}$	$c = 6 \text{ cm}$	$b = 8 \text{ cm}$
$b = 4 \text{ cm}$	$a = 7 \text{ cm}$	$c = 10 \text{ cm}$	$\gamma = 60^\circ$	$c = 9 \text{ cm}$	$\alpha = 90^\circ$
$a = 6 \text{ cm}$	$c = 3 \text{ cm}$	$b = 6 \text{ cm}$	$c = 8 \text{ cm}$	$\alpha = 120^\circ$	$b = 3 \text{ cm}$
$b = 9 \text{ cm}$	$\gamma = 100^\circ$	$\beta = 60^\circ$	$a = 3 \text{ cm}$	$\beta = 120^\circ$	$c = 9 \text{ cm}$
$\gamma = 50^\circ$	$\beta = 100^\circ$	$a = 6 \text{ cm}$	$b = 2 \text{ cm}$	$\beta = 70^\circ$	$b = 6 \text{ cm}$

Kongruenz-Bingo (73)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\beta = 70^\circ$	$b = 10 \text{ cm}$	$\beta = 45^\circ$	$b = 2 \text{ cm}$	$b = 8 \text{ cm}$	$b = 1 \text{ cm}$
$b = 8 \text{ cm}$	$\alpha = 10^\circ$	$\alpha = 30^\circ$	$c = 1 \text{ cm}$	$\alpha = 80^\circ$	$\beta = 20^\circ$
$b = 2 \text{ cm}$	$c = 3 \text{ cm}$	$a = 6 \text{ cm}$	$\gamma = 130^\circ$	$\alpha = 30^\circ$	$\gamma = 100^\circ$
$\beta = 140^\circ$	$\beta = 50^\circ$	$c = 6 \text{ cm}$	$\gamma = 120^\circ$	$b = 3 \text{ cm}$	$b = 5 \text{ cm}$
$\beta = 90^\circ$	$\alpha = 90^\circ$	$\alpha = 120^\circ$	$b = 6 \text{ cm}$	$a = 9 \text{ cm}$	$b = 7 \text{ cm}$
$\beta = 30^\circ$	$\beta = 45^\circ$	$a = 8 \text{ cm}$	$\gamma = 110^\circ$	$b = 1 \text{ cm}$	$\beta = 100^\circ$
$\gamma = 10^\circ$	$c = 5 \text{ cm}$	$c = 7 \text{ cm}$	$c = 9 \text{ cm}$	$\beta = 100^\circ$	$\gamma = 75^\circ$
$b = 4 \text{ cm}$	$\beta = 90^\circ$	$b = 10 \text{ cm}$	$\alpha = 45^\circ$	$c = 4 \text{ cm}$	$\alpha = 60^\circ$
$\alpha = 50^\circ$	$\gamma = 50^\circ$	$c = 3 \text{ cm}$	$c = 7 \text{ cm}$	$\gamma = 100^\circ$	$a = 7 \text{ cm}$
$c = 8 \text{ cm}$	$c = 5 \text{ cm}$	$a = 1 \text{ cm}$	$\alpha = 20^\circ$	$c = 1 \text{ cm}$	$\gamma = 130^\circ$
$a = 4 \text{ cm}$	$\beta = 60^\circ$	$\gamma = 90^\circ$	$c = 10 \text{ cm}$	$a = 4 \text{ cm}$	$\beta = 120^\circ$
$a = 7 \text{ cm}$	$c = 10 \text{ cm}$	$\gamma = 60^\circ$	$\alpha = 20^\circ$	$a = 5 \text{ cm}$	$a = 6 \text{ cm}$
$\gamma = 90^\circ$	$b = 3 \text{ cm}$	$a = 3 \text{ cm}$	$\beta = 20^\circ$	$b = 7 \text{ cm}$	$a = 9 \text{ cm}$
$\alpha = 120^\circ$	$a = 1 \text{ cm}$	$a = 2 \text{ cm}$	$\gamma = 120^\circ$	$\gamma = 60^\circ$	$\beta = 30^\circ$
$\alpha = 45^\circ$	$c = 6 \text{ cm}$	$\beta = 70^\circ$	$\gamma = 40^\circ$	$b = 9 \text{ cm}$	$a = 5 \text{ cm}$
$b = 5 \text{ cm}$	$a = 2 \text{ cm}$	$a = 10 \text{ cm}$	$\beta = 140^\circ$	$c = 8 \text{ cm}$	$c = 2 \text{ cm}$
$\gamma = 110^\circ$	$\alpha = 90^\circ$	$\gamma = 40^\circ$	$\alpha = 140^\circ$	$\alpha = 80^\circ$	$\gamma = 75^\circ$
$a = 10 \text{ cm}$	$b = 4 \text{ cm}$	$c = 2 \text{ cm}$	$c = 9 \text{ cm}$	$b = 9 \text{ cm}$	$\beta = 120^\circ$
$\beta = 50^\circ$	$\gamma = 50^\circ$	$b = 6 \text{ cm}$	$a = 3 \text{ cm}$	$\alpha = 10^\circ$	$\gamma = 10^\circ$
$\alpha = 50^\circ$	$\beta = 60^\circ$	$\alpha = 140^\circ$	$\alpha = 60^\circ$	$a = 8 \text{ cm}$	$c = 4 \text{ cm}$

Kongruenz-Bingo (74)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$b = 5 \text{ cm}$	$c = 6 \text{ cm}$	$\beta = 70^\circ$	$a = 4 \text{ cm}$	$\alpha = 60^\circ$	$\alpha = 30^\circ$
$c = 7 \text{ cm}$	$b = 7 \text{ cm}$	$\alpha = 50^\circ$	$a = 10 \text{ cm}$	$c = 2 \text{ cm}$	$\gamma = 40^\circ$
$c = 8 \text{ cm}$	$b = 1 \text{ cm}$	$\gamma = 10^\circ$	$b = 8 \text{ cm}$	$\beta = 30^\circ$	$\gamma = 110^\circ$
$\gamma = 60^\circ$	$\gamma = 90^\circ$	$c = 9 \text{ cm}$	$\beta = 30^\circ$	$\gamma = 75^\circ$	$c = 10 \text{ cm}$
$c = 6 \text{ cm}$	$c = 4 \text{ cm}$	$\alpha = 60^\circ$	$\alpha = 90^\circ$	$\gamma = 100^\circ$	$c = 10 \text{ cm}$
$\gamma = 75^\circ$	$c = 8 \text{ cm}$	$c = 5 \text{ cm}$	$\gamma = 90^\circ$	$\gamma = 50^\circ$	$a = 1 \text{ cm}$
$\alpha = 30^\circ$	$a = 6 \text{ cm}$	$\beta = 100^\circ$	$\beta = 60^\circ$	$\alpha = 45^\circ$	$\alpha = 20^\circ$
$b = 3 \text{ cm}$	$\beta = 90^\circ$	$b = 2 \text{ cm}$	$\alpha = 120^\circ$	$a = 3 \text{ cm}$	$a = 3 \text{ cm}$
$\beta = 120^\circ$	$a = 9 \text{ cm}$	$a = 5 \text{ cm}$	$b = 10 \text{ cm}$	$b = 5 \text{ cm}$	$c = 7 \text{ cm}$
$\beta = 140^\circ$	$a = 5 \text{ cm}$	$b = 7 \text{ cm}$	$\alpha = 10^\circ$	$a = 8 \text{ cm}$	$b = 6 \text{ cm}$
$\gamma = 100^\circ$	$\beta = 45^\circ$	$\gamma = 120^\circ$	$a = 9 \text{ cm}$	$b = 10 \text{ cm}$	$\alpha = 20^\circ$
$\beta = 50^\circ$	$\beta = 120^\circ$	$\gamma = 120^\circ$	$\beta = 90^\circ$	$b = 1 \text{ cm}$	$c = 1 \text{ cm}$
$b = 3 \text{ cm}$	$c = 1 \text{ cm}$	$c = 3 \text{ cm}$	$\gamma = 10^\circ$	$b = 9 \text{ cm}$	$\gamma = 40^\circ$
$a = 2 \text{ cm}$	$c = 4 \text{ cm}$	$a = 10 \text{ cm}$	$\beta = 100^\circ$	$a = 4 \text{ cm}$	$b = 4 \text{ cm}$
$\gamma = 60^\circ$	$c = 2 \text{ cm}$	$\alpha = 140^\circ$	$\beta = 20^\circ$	$\alpha = 10^\circ$	$\gamma = 110^\circ$
$c = 5 \text{ cm}$	$\alpha = 50^\circ$	$a = 2 \text{ cm}$	$\beta = 70^\circ$	$b = 9 \text{ cm}$	$\beta = 45^\circ$
$b = 4 \text{ cm}$	$\alpha = 80^\circ$	$a = 7 \text{ cm}$	$a = 7 \text{ cm}$	$\alpha = 45^\circ$	$\alpha = 140^\circ$
$\gamma = 130^\circ$	$\alpha = 120^\circ$	$b = 2 \text{ cm}$	$\beta = 20^\circ$	$\beta = 60^\circ$	$a = 8 \text{ cm}$
$b = 6 \text{ cm}$	$\beta = 50^\circ$	$\alpha = 90^\circ$	$\gamma = 50^\circ$	$c = 3 \text{ cm}$	$\beta = 140^\circ$
$a = 1 \text{ cm}$	$c = 9 \text{ cm}$	$b = 8 \text{ cm}$	$a = 6 \text{ cm}$	$\gamma = 130^\circ$	$\alpha = 80^\circ$

Kongruenz-Bingo (75)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$a = 7 \text{ cm}$	$a = 9 \text{ cm}$	$b = 6 \text{ cm}$	$\alpha = 60^\circ$	$c = 6 \text{ cm}$	$\beta = 120^\circ$
$\gamma = 90^\circ$	$\beta = 60^\circ$	$\alpha = 45^\circ$	$a = 3 \text{ cm}$	$b = 4 \text{ cm}$	$\alpha = 140^\circ$
$\beta = 100^\circ$	$a = 3 \text{ cm}$	$\beta = 30^\circ$	$b = 10 \text{ cm}$	$a = 5 \text{ cm}$	$a = 4 \text{ cm}$
$\beta = 140^\circ$	$c = 2 \text{ cm}$	$a = 10 \text{ cm}$	$\gamma = 110^\circ$	$\gamma = 50^\circ$	$\gamma = 75^\circ$
$\gamma = 130^\circ$	$a = 10 \text{ cm}$	$c = 7 \text{ cm}$	$b = 9 \text{ cm}$	$a = 6 \text{ cm}$	$\gamma = 110^\circ$
$\alpha = 120^\circ$	$b = 6 \text{ cm}$	$a = 6 \text{ cm}$	$\gamma = 60^\circ$	$\alpha = 10^\circ$	$a = 1 \text{ cm}$
$c = 1 \text{ cm}$	$a = 9 \text{ cm}$	$\alpha = 90^\circ$	$\alpha = 20^\circ$	$\gamma = 120^\circ$	$b = 1 \text{ cm}$
$\alpha = 80^\circ$	$b = 1 \text{ cm}$	$\beta = 20^\circ$	$b = 3 \text{ cm}$	$c = 3 \text{ cm}$	$\alpha = 140^\circ$
$\beta = 45^\circ$	$b = 10 \text{ cm}$	$a = 2 \text{ cm}$	$\alpha = 90^\circ$	$\alpha = 60^\circ$	$b = 5 \text{ cm}$
$b = 3 \text{ cm}$	$a = 2 \text{ cm}$	$\beta = 90^\circ$	$b = 5 \text{ cm}$	$\gamma = 10^\circ$	$\gamma = 100^\circ$
$\gamma = 10^\circ$	$c = 4 \text{ cm}$	$\alpha = 80^\circ$	$\beta = 90^\circ$	$\beta = 100^\circ$	$\alpha = 50^\circ$
$\alpha = 50^\circ$	$\gamma = 40^\circ$	$c = 10 \text{ cm}$	$\alpha = 30^\circ$	$b = 7 \text{ cm}$	$c = 4 \text{ cm}$
$b = 9 \text{ cm}$	$\beta = 45^\circ$	$b = 2 \text{ cm}$	$\beta = 50^\circ$	$c = 9 \text{ cm}$	$\beta = 70^\circ$
$\alpha = 20^\circ$	$\gamma = 120^\circ$	$c = 8 \text{ cm}$	$a = 7 \text{ cm}$	$c = 7 \text{ cm}$	$b = 2 \text{ cm}$
$\gamma = 90^\circ$	$c = 2 \text{ cm}$	$c = 10 \text{ cm}$	$\alpha = 10^\circ$	$\beta = 120^\circ$	$\beta = 20^\circ$
$b = 4 \text{ cm}$	$b = 8 \text{ cm}$	$\beta = 50^\circ$	$c = 8 \text{ cm}$	$\alpha = 45^\circ$	$\beta = 60^\circ$
$a = 4 \text{ cm}$	$\gamma = 130^\circ$	$\beta = 140^\circ$	$\gamma = 75^\circ$	$a = 8 \text{ cm}$	$c = 5 \text{ cm}$
$\gamma = 60^\circ$	$\alpha = 30^\circ$	$\gamma = 50^\circ$	$\beta = 70^\circ$	$c = 9 \text{ cm}$	$c = 3 \text{ cm}$
$a = 1 \text{ cm}$	$b = 7 \text{ cm}$	$\beta = 30^\circ$	$\alpha = 120^\circ$	$a = 5 \text{ cm}$	$b = 8 \text{ cm}$
$c = 5 \text{ cm}$	$a = 8 \text{ cm}$	$\gamma = 40^\circ$	$c = 6 \text{ cm}$	$c = 1 \text{ cm}$	$\gamma = 100^\circ$

Kongruenz-Bingo (76)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\alpha = 50^\circ$	$\gamma = 90^\circ$	$b = 3 \text{ cm}$	$\alpha = 140^\circ$	$b = 6 \text{ cm}$	$a = 1 \text{ cm}$
$\gamma = 110^\circ$	$a = 2 \text{ cm}$	$\beta = 45^\circ$	$c = 9 \text{ cm}$	$a = 6 \text{ cm}$	$c = 2 \text{ cm}$
$\alpha = 50^\circ$	$\beta = 60^\circ$	$b = 1 \text{ cm}$	$\gamma = 110^\circ$	$\beta = 50^\circ$	$a = 2 \text{ cm}$
$\alpha = 45^\circ$	$\alpha = 90^\circ$	$\beta = 60^\circ$	$\alpha = 45^\circ$	$\gamma = 130^\circ$	$a = 3 \text{ cm}$
$\beta = 90^\circ$	$b = 9 \text{ cm}$	$b = 10 \text{ cm}$	$\beta = 120^\circ$	$\alpha = 90^\circ$	$\beta = 120^\circ$
$b = 4 \text{ cm}$	$c = 6 \text{ cm}$	$b = 9 \text{ cm}$	$\alpha = 60^\circ$	$c = 1 \text{ cm}$	$a = 7 \text{ cm}$
$a = 6 \text{ cm}$	$a = 8 \text{ cm}$	$\gamma = 10^\circ$	$\gamma = 10^\circ$	$c = 8 \text{ cm}$	$b = 2 \text{ cm}$
$a = 10 \text{ cm}$	$a = 7 \text{ cm}$	$\alpha = 60^\circ$	$b = 7 \text{ cm}$	$b = 8 \text{ cm}$	$\gamma = 60^\circ$
$\alpha = 10^\circ$	$a = 9 \text{ cm}$	$\gamma = 75^\circ$	$a = 8 \text{ cm}$	$c = 3 \text{ cm}$	$c = 4 \text{ cm}$
$\alpha = 80^\circ$	$\beta = 100^\circ$	$\alpha = 10^\circ$	$b = 5 \text{ cm}$	$\alpha = 120^\circ$	$a = 3 \text{ cm}$
$\beta = 45^\circ$	$\gamma = 40^\circ$	$\gamma = 90^\circ$	$c = 9 \text{ cm}$	$c = 5 \text{ cm}$	$b = 8 \text{ cm}$
$\alpha = 20^\circ$	$a = 4 \text{ cm}$	$\alpha = 140^\circ$	$\gamma = 50^\circ$	$\alpha = 80^\circ$	$\alpha = 30^\circ$
$c = 1 \text{ cm}$	$\beta = 20^\circ$	$\beta = 30^\circ$	$b = 10 \text{ cm}$	$\alpha = 20^\circ$	$b = 3 \text{ cm}$
$a = 10 \text{ cm}$	$\gamma = 40^\circ$	$\beta = 140^\circ$	$\beta = 100^\circ$	$b = 4 \text{ cm}$	$c = 7 \text{ cm}$
$b = 2 \text{ cm}$	$c = 2 \text{ cm}$	$\alpha = 120^\circ$	$\gamma = 120^\circ$	$c = 10 \text{ cm}$	$c = 4 \text{ cm}$
$c = 5 \text{ cm}$	$a = 5 \text{ cm}$	$\alpha = 30^\circ$	$\gamma = 120^\circ$	$b = 5 \text{ cm}$	$\beta = 20^\circ$
$\beta = 90^\circ$	$\beta = 140^\circ$	$c = 3 \text{ cm}$	$c = 7 \text{ cm}$	$\beta = 30^\circ$	$\beta = 70^\circ$
$\gamma = 100^\circ$	$\beta = 70^\circ$	$\gamma = 50^\circ$	$b = 1 \text{ cm}$	$c = 10 \text{ cm}$	$a = 1 \text{ cm}$
$a = 5 \text{ cm}$	$\beta = 50^\circ$	$b = 6 \text{ cm}$	$a = 4 \text{ cm}$	$c = 6 \text{ cm}$	$b = 7 \text{ cm}$
$\gamma = 130^\circ$	$\gamma = 100^\circ$	$c = 8 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 60^\circ$	$\gamma = 75^\circ$

Kongruenz-Bingo (77)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$c = 6 \text{ cm}$	$b = 9 \text{ cm}$	$b = 8 \text{ cm}$	$\beta = 60^\circ$	$a = 1 \text{ cm}$	$\beta = 70^\circ$
$\beta = 45^\circ$	$\alpha = 80^\circ$	$\alpha = 45^\circ$	$a = 9 \text{ cm}$	$\gamma = 120^\circ$	$a = 1 \text{ cm}$
$b = 4 \text{ cm}$	$a = 7 \text{ cm}$	$\beta = 120^\circ$	$\gamma = 100^\circ$	$a = 4 \text{ cm}$	$\alpha = 10^\circ$
$\alpha = 140^\circ$	$\alpha = 50^\circ$	$b = 1 \text{ cm}$	$b = 6 \text{ cm}$	$\beta = 20^\circ$	$b = 3 \text{ cm}$
$\gamma = 90^\circ$	$c = 6 \text{ cm}$	$\gamma = 50^\circ$	$b = 8 \text{ cm}$	$a = 3 \text{ cm}$	$\beta = 30^\circ$
$c = 8 \text{ cm}$	$\gamma = 75^\circ$	$\alpha = 120^\circ$	$c = 7 \text{ cm}$	$\gamma = 40^\circ$	$\alpha = 80^\circ$
$\gamma = 10^\circ$	$c = 1 \text{ cm}$	$\gamma = 50^\circ$	$c = 9 \text{ cm}$	$\gamma = 110^\circ$	$a = 7 \text{ cm}$
$b = 2 \text{ cm}$	$b = 10 \text{ cm}$	$\beta = 50^\circ$	$a = 8 \text{ cm}$	$\beta = 70^\circ$	$a = 10 \text{ cm}$
$\beta = 100^\circ$	$\alpha = 90^\circ$	$\gamma = 100^\circ$	$b = 7 \text{ cm}$	$a = 2 \text{ cm}$	$\beta = 45^\circ$
$\beta = 20^\circ$	$c = 10 \text{ cm}$	$c = 8 \text{ cm}$	$\beta = 30^\circ$	$\gamma = 120^\circ$	$\alpha = 140^\circ$
$a = 4 \text{ cm}$	$b = 1 \text{ cm}$	$a = 5 \text{ cm}$	$c = 1 \text{ cm}$	$a = 5 \text{ cm}$	$a = 2 \text{ cm}$
$c = 4 \text{ cm}$	$a = 8 \text{ cm}$	$\beta = 90^\circ$	$a = 10 \text{ cm}$	$\beta = 140^\circ$	$\alpha = 60^\circ$
$\beta = 140^\circ$	$\gamma = 60^\circ$	$b = 7 \text{ cm}$	$\alpha = 90^\circ$	$b = 2 \text{ cm}$	$\beta = 90^\circ$
$\beta = 120^\circ$	$\alpha = 50^\circ$	$\gamma = 130^\circ$	$\beta = 100^\circ$	$c = 10 \text{ cm}$	$b = 4 \text{ cm}$
$c = 2 \text{ cm}$	$\alpha = 60^\circ$	$\gamma = 130^\circ$	$c = 3 \text{ cm}$	$\alpha = 10^\circ$	$\alpha = 20^\circ$
$c = 9 \text{ cm}$	$a = 6 \text{ cm}$	$c = 3 \text{ cm}$	$a = 6 \text{ cm}$	$b = 5 \text{ cm}$	$b = 5 \text{ cm}$
$\beta = 50^\circ$	$\alpha = 45^\circ$	$c = 5 \text{ cm}$	$\beta = 60^\circ$	$c = 2 \text{ cm}$	$b = 10 \text{ cm}$
$\gamma = 60^\circ$	$\gamma = 10^\circ$	$c = 4 \text{ cm}$	$b = 3 \text{ cm}$	$\gamma = 75^\circ$	$c = 7 \text{ cm}$
$\alpha = 30^\circ$	$b = 6 \text{ cm}$	$\gamma = 40^\circ$	$\alpha = 20^\circ$	$a = 3 \text{ cm}$	$\gamma = 110^\circ$
$b = 9 \text{ cm}$	$\alpha = 30^\circ$	$c = 5 \text{ cm}$	$\gamma = 90^\circ$	$\alpha = 120^\circ$	$a = 9 \text{ cm}$

Kongruenz-Bingo (78)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\alpha = 10^\circ$	$\gamma = 50^\circ$	$\beta = 70^\circ$	$\gamma = 130^\circ$	$\gamma = 100^\circ$	$\gamma = 120^\circ$
$c = 10 \text{ cm}$	$a = 10 \text{ cm}$	$\beta = 100^\circ$	$\gamma = 110^\circ$	$\beta = 120^\circ$	$a = 8 \text{ cm}$
$\beta = 50^\circ$	$a = 7 \text{ cm}$	$\beta = 90^\circ$	$b = 5 \text{ cm}$	$a = 6 \text{ cm}$	$a = 6 \text{ cm}$
$c = 6 \text{ cm}$	$b = 4 \text{ cm}$	$\beta = 90^\circ$	$b = 3 \text{ cm}$	$\beta = 45^\circ$	$c = 5 \text{ cm}$
$c = 10 \text{ cm}$	$a = 3 \text{ cm}$	$b = 10 \text{ cm}$	$\alpha = 20^\circ$	$b = 3 \text{ cm}$	$\gamma = 90^\circ$
$\beta = 60^\circ$	$\gamma = 40^\circ$	$\beta = 30^\circ$	$a = 4 \text{ cm}$	$c = 1 \text{ cm}$	$\alpha = 140^\circ$
$a = 4 \text{ cm}$	$\beta = 30^\circ$	$c = 2 \text{ cm}$	$c = 3 \text{ cm}$	$b = 7 \text{ cm}$	$a = 2 \text{ cm}$
$\gamma = 130^\circ$	$c = 7 \text{ cm}$	$b = 5 \text{ cm}$	$\beta = 50^\circ$	$\alpha = 30^\circ$	$\beta = 60^\circ$
$c = 8 \text{ cm}$	$\gamma = 90^\circ$	$b = 6 \text{ cm}$	$\gamma = 60^\circ$	$a = 9 \text{ cm}$	$b = 7 \text{ cm}$
$b = 6 \text{ cm}$	$\alpha = 45^\circ$	$a = 8 \text{ cm}$	$c = 4 \text{ cm}$	$\alpha = 60^\circ$	$\alpha = 140^\circ$
$a = 9 \text{ cm}$	$\gamma = 50^\circ$	$b = 2 \text{ cm}$	$\alpha = 120^\circ$	$b = 4 \text{ cm}$	$\beta = 20^\circ$
$\gamma = 10^\circ$	$\gamma = 100^\circ$	$c = 9 \text{ cm}$	$\alpha = 30^\circ$	$\beta = 100^\circ$	$\alpha = 80^\circ$
$\gamma = 40^\circ$	$a = 7 \text{ cm}$	$b = 9 \text{ cm}$	$\alpha = 120^\circ$	$\alpha = 10^\circ$	$\alpha = 90^\circ$
$c = 4 \text{ cm}$	$a = 5 \text{ cm}$	$\alpha = 20^\circ$	$\beta = 140^\circ$	$\gamma = 110^\circ$	$a = 2 \text{ cm}$
$\beta = 70^\circ$	$b = 2 \text{ cm}$	$\beta = 120^\circ$	$\beta = 20^\circ$	$\alpha = 60^\circ$	$c = 9 \text{ cm}$
$\alpha = 90^\circ$	$c = 3 \text{ cm}$	$\gamma = 10^\circ$	$\gamma = 75^\circ$	$b = 10 \text{ cm}$	$a = 1 \text{ cm}$
$c = 2 \text{ cm}$	$b = 1 \text{ cm}$	$b = 9 \text{ cm}$	$\gamma = 120^\circ$	$b = 1 \text{ cm}$	$\beta = 140^\circ$
$\alpha = 80^\circ$	$b = 8 \text{ cm}$	$\beta = 45^\circ$	$\gamma = 75^\circ$	$b = 8 \text{ cm}$	$a = 3 \text{ cm}$
$c = 7 \text{ cm}$	$a = 5 \text{ cm}$	$a = 1 \text{ cm}$	$\alpha = 45^\circ$	$c = 1 \text{ cm}$	$c = 6 \text{ cm}$
$c = 8 \text{ cm}$	$c = 5 \text{ cm}$	$a = 10 \text{ cm}$	$\alpha = 50^\circ$	$\gamma = 60^\circ$	$\alpha = 50^\circ$

Kongruenz-Bingo (79)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\gamma = 110^\circ$	$\gamma = 50^\circ$	$\beta = 140^\circ$	$b = 1 \text{ cm}$	$\alpha = 10^\circ$	$\beta = 50^\circ$
$b = 10 \text{ cm}$	$a = 8 \text{ cm}$	$\beta = 50^\circ$	$b = 7 \text{ cm}$	$c = 9 \text{ cm}$	$\beta = 20^\circ$
$\alpha = 30^\circ$	$\gamma = 50^\circ$	$\gamma = 100^\circ$	$c = 6 \text{ cm}$	$b = 8 \text{ cm}$	$a = 5 \text{ cm}$
$a = 2 \text{ cm}$	$a = 6 \text{ cm}$	$c = 6 \text{ cm}$	$\beta = 20^\circ$	$\alpha = 45^\circ$	$c = 10 \text{ cm}$
$\gamma = 40^\circ$	$c = 5 \text{ cm}$	$\alpha = 80^\circ$	$\beta = 120^\circ$	$b = 2 \text{ cm}$	$a = 1 \text{ cm}$
$a = 1 \text{ cm}$	$c = 4 \text{ cm}$	$\alpha = 50^\circ$	$a = 4 \text{ cm}$	$\gamma = 100^\circ$	$c = 10 \text{ cm}$
$\alpha = 10^\circ$	$\alpha = 90^\circ$	$\gamma = 75^\circ$	$a = 7 \text{ cm}$	$a = 6 \text{ cm}$	$\gamma = 110^\circ$
$\alpha = 20^\circ$	$\alpha = 80^\circ$	$c = 9 \text{ cm}$	$\alpha = 30^\circ$	$a = 7 \text{ cm}$	$c = 5 \text{ cm}$
$c = 4 \text{ cm}$	$a = 10 \text{ cm}$	$\alpha = 120^\circ$	$b = 5 \text{ cm}$	$b = 6 \text{ cm}$	$c = 2 \text{ cm}$
$c = 2 \text{ cm}$	$\gamma = 90^\circ$	$\alpha = 90^\circ$	$\beta = 100^\circ$	$c = 8 \text{ cm}$	$\beta = 70^\circ$
$b = 7 \text{ cm}$	$b = 9 \text{ cm}$	$\gamma = 90^\circ$	$a = 4 \text{ cm}$	$\gamma = 60^\circ$	$a = 9 \text{ cm}$
$a = 10 \text{ cm}$	$\alpha = 20^\circ$	$\beta = 45^\circ$	$\gamma = 40^\circ$	$\beta = 60^\circ$	$\gamma = 120^\circ$
$\beta = 90^\circ$	$\gamma = 120^\circ$	$\beta = 60^\circ$	$c = 8 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 75^\circ$
$\alpha = 50^\circ$	$\alpha = 140^\circ$	$\alpha = 45^\circ$	$b = 8 \text{ cm}$	$\beta = 90^\circ$	$\gamma = 130^\circ$
$a = 3 \text{ cm}$	$\beta = 140^\circ$	$c = 3 \text{ cm}$	$a = 8 \text{ cm}$	$a = 2 \text{ cm}$	$b = 1 \text{ cm}$
$b = 5 \text{ cm}$	$a = 5 \text{ cm}$	$c = 1 \text{ cm}$	$\alpha = 120^\circ$	$\beta = 45^\circ$	$\alpha = 140^\circ$
$c = 7 \text{ cm}$	$c = 7 \text{ cm}$	$\gamma = 130^\circ$	$\beta = 70^\circ$	$c = 1 \text{ cm}$	$\gamma = 10^\circ$
$\gamma = 60^\circ$	$b = 6 \text{ cm}$	$\alpha = 60^\circ$	$b = 4 \text{ cm}$	$b = 4 \text{ cm}$	$\beta = 100^\circ$
$\gamma = 10^\circ$	$\beta = 30^\circ$	$b = 2 \text{ cm}$	$c = 3 \text{ cm}$	$b = 9 \text{ cm}$	$\alpha = 60^\circ$
$\beta = 30^\circ$	$b = 3 \text{ cm}$	$a = 3 \text{ cm}$	$\beta = 120^\circ$	$b = 10 \text{ cm}$	$b = 3 \text{ cm}$

Kongruenz-Bingo (80)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\alpha = 30^\circ$	$\alpha = 20^\circ$	$a = 2 \text{ cm}$	$\beta = 120^\circ$	$a = 3 \text{ cm}$	$\beta = 120^\circ$
$\beta = 20^\circ$	$b = 9 \text{ cm}$	$a = 6 \text{ cm}$	$\alpha = 10^\circ$	$c = 3 \text{ cm}$	$b = 6 \text{ cm}$
$\beta = 100^\circ$	$a = 5 \text{ cm}$	$\gamma = 60^\circ$	$c = 7 \text{ cm}$	$\beta = 30^\circ$	$c = 6 \text{ cm}$
$\gamma = 75^\circ$	$b = 8 \text{ cm}$	$a = 8 \text{ cm}$	$b = 10 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 90^\circ$
$\gamma = 40^\circ$	$\alpha = 50^\circ$	$\alpha = 30^\circ$	$\gamma = 110^\circ$	$\alpha = 45^\circ$	$a = 5 \text{ cm}$
$\beta = 140^\circ$	$\gamma = 50^\circ$	$c = 1 \text{ cm}$	$c = 2 \text{ cm}$	$c = 7 \text{ cm}$	$c = 8 \text{ cm}$
$\gamma = 60^\circ$	$a = 10 \text{ cm}$	$a = 8 \text{ cm}$	$\alpha = 80^\circ$	$\alpha = 140^\circ$	$b = 4 \text{ cm}$
$\gamma = 10^\circ$	$a = 2 \text{ cm}$	$b = 2 \text{ cm}$	$\beta = 140^\circ$	$c = 4 \text{ cm}$	$a = 1 \text{ cm}$
$b = 3 \text{ cm}$	$b = 9 \text{ cm}$	$b = 6 \text{ cm}$	$c = 10 \text{ cm}$	$\alpha = 140^\circ$	$\beta = 70^\circ$
$c = 1 \text{ cm}$	$a = 9 \text{ cm}$	$\alpha = 10^\circ$	$b = 8 \text{ cm}$	$\beta = 60^\circ$	$\alpha = 120^\circ$
$\beta = 100^\circ$	$\beta = 20^\circ$	$c = 9 \text{ cm}$	$b = 1 \text{ cm}$	$b = 3 \text{ cm}$	$\beta = 30^\circ$
$c = 5 \text{ cm}$	$\beta = 50^\circ$	$c = 3 \text{ cm}$	$c = 2 \text{ cm}$	$\alpha = 60^\circ$	$a = 10 \text{ cm}$
$\gamma = 100^\circ$	$\gamma = 40^\circ$	$\alpha = 90^\circ$	$\alpha = 50^\circ$	$\beta = 90^\circ$	$a = 1 \text{ cm}$
$c = 10 \text{ cm}$	$\gamma = 110^\circ$	$\beta = 45^\circ$	$a = 4 \text{ cm}$	$b = 2 \text{ cm}$	$\gamma = 120^\circ$
$\alpha = 80^\circ$	$b = 4 \text{ cm}$	$a = 3 \text{ cm}$	$a = 7 \text{ cm}$	$\gamma = 10^\circ$	$b = 5 \text{ cm}$
$a = 6 \text{ cm}$	$\alpha = 120^\circ$	$c = 5 \text{ cm}$	$\beta = 90^\circ$	$c = 9 \text{ cm}$	$\alpha = 60^\circ$
$\beta = 70^\circ$	$b = 1 \text{ cm}$	$\alpha = 20^\circ$	$\alpha = 45^\circ$	$\gamma = 90^\circ$	$\alpha = 90^\circ$
$\gamma = 100^\circ$	$b = 5 \text{ cm}$	$\gamma = 130^\circ$	$\gamma = 130^\circ$	$c = 6 \text{ cm}$	$\gamma = 50^\circ$
$\beta = 60^\circ$	$c = 8 \text{ cm}$	$b = 7 \text{ cm}$	$b = 7 \text{ cm}$	$\gamma = 75^\circ$	$a = 4 \text{ cm}$
$\beta = 45^\circ$	$\gamma = 120^\circ$	$\beta = 50^\circ$	$a = 7 \text{ cm}$	$c = 4 \text{ cm}$	$b = 10 \text{ cm}$

Kongruenz-Bingo (81)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$a = 1 \text{ cm}$	$b = 9 \text{ cm}$	$\beta = 90^\circ$	$b = 5 \text{ cm}$	$\beta = 20^\circ$	$\beta = 60^\circ$
$\beta = 120^\circ$	$\beta = 45^\circ$	$a = 2 \text{ cm}$	$\beta = 140^\circ$	$\alpha = 45^\circ$	$\gamma = 10^\circ$
$\gamma = 110^\circ$	$\alpha = 80^\circ$	$a = 7 \text{ cm}$	$c = 3 \text{ cm}$	$\gamma = 10^\circ$	$b = 6 \text{ cm}$
$c = 10 \text{ cm}$	$\gamma = 40^\circ$	$b = 1 \text{ cm}$	$b = 10 \text{ cm}$	$\beta = 100^\circ$	$\alpha = 50^\circ$
$a = 3 \text{ cm}$	$\alpha = 10^\circ$	$c = 2 \text{ cm}$	$b = 5 \text{ cm}$	$\beta = 70^\circ$	$c = 1 \text{ cm}$
$\beta = 30^\circ$	$a = 3 \text{ cm}$	$c = 10 \text{ cm}$	$\gamma = 100^\circ$	$\alpha = 60^\circ$	$c = 6 \text{ cm}$
$\alpha = 90^\circ$	$b = 4 \text{ cm}$	$\beta = 50^\circ$	$b = 2 \text{ cm}$	$a = 4 \text{ cm}$	$a = 9 \text{ cm}$
$\gamma = 90^\circ$	$a = 8 \text{ cm}$	$\beta = 50^\circ$	$c = 5 \text{ cm}$	$c = 7 \text{ cm}$	$\alpha = 20^\circ$
$\alpha = 60^\circ$	$\beta = 100^\circ$	$c = 4 \text{ cm}$	$\beta = 30^\circ$	$\gamma = 75^\circ$	$\beta = 70^\circ$
$\alpha = 120^\circ$	$b = 3 \text{ cm}$	$c = 2 \text{ cm}$	$c = 9 \text{ cm}$	$c = 1 \text{ cm}$	$\gamma = 50^\circ$
$c = 7 \text{ cm}$	$b = 4 \text{ cm}$	$\gamma = 120^\circ$	$\gamma = 60^\circ$	$a = 9 \text{ cm}$	$\alpha = 120^\circ$
$a = 6 \text{ cm}$	$\alpha = 30^\circ$	$\alpha = 50^\circ$	$a = 5 \text{ cm}$	$\beta = 45^\circ$	$a = 10 \text{ cm}$
$\alpha = 20^\circ$	$\alpha = 10^\circ$	$\beta = 120^\circ$	$\gamma = 120^\circ$	$\alpha = 45^\circ$	$\gamma = 75^\circ$
$\gamma = 100^\circ$	$\alpha = 140^\circ$	$\alpha = 140^\circ$	$c = 8 \text{ cm}$	$\gamma = 110^\circ$	$\alpha = 30^\circ$
$b = 6 \text{ cm}$	$b = 9 \text{ cm}$	$\gamma = 90^\circ$	$a = 7 \text{ cm}$	$c = 6 \text{ cm}$	$\beta = 60^\circ$
$\gamma = 130^\circ$	$a = 1 \text{ cm}$	$a = 5 \text{ cm}$	$b = 7 \text{ cm}$	$b = 8 \text{ cm}$	$\gamma = 60^\circ$
$a = 6 \text{ cm}$	$c = 5 \text{ cm}$	$b = 1 \text{ cm}$	$\alpha = 90^\circ$	$\beta = 20^\circ$	$a = 8 \text{ cm}$
$\alpha = 80^\circ$	$b = 10 \text{ cm}$	$a = 2 \text{ cm}$	$a = 10 \text{ cm}$	$\gamma = 40^\circ$	$b = 3 \text{ cm}$
$b = 2 \text{ cm}$	$c = 4 \text{ cm}$	$a = 4 \text{ cm}$	$c = 9 \text{ cm}$	$b = 7 \text{ cm}$	$\gamma = 50^\circ$
$c = 3 \text{ cm}$	$\beta = 90^\circ$	$b = 8 \text{ cm}$	$\beta = 140^\circ$	$c = 8 \text{ cm}$	$\gamma = 130^\circ$

Kongruenz-Bingo (82)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\alpha = 10^\circ$	$b = 3 \text{ cm}$	$b = 6 \text{ cm}$	$a = 7 \text{ cm}$	$c = 4 \text{ cm}$	$\beta = 90^\circ$
$\beta = 70^\circ$	$b = 10 \text{ cm}$	$c = 10 \text{ cm}$	$b = 9 \text{ cm}$	$b = 8 \text{ cm}$	$\beta = 140^\circ$
$a = 7 \text{ cm}$	$\alpha = 50^\circ$	$\alpha = 140^\circ$	$\beta = 70^\circ$	$\beta = 120^\circ$	$b = 4 \text{ cm}$
$\beta = 45^\circ$	$b = 4 \text{ cm}$	$\gamma = 110^\circ$	$\alpha = 45^\circ$	$\beta = 20^\circ$	$\beta = 50^\circ$
$\beta = 90^\circ$	$\alpha = 140^\circ$	$a = 9 \text{ cm}$	$\beta = 60^\circ$	$\alpha = 90^\circ$	$\alpha = 80^\circ$
$c = 3 \text{ cm}$	$b = 2 \text{ cm}$	$\beta = 100^\circ$	$\alpha = 120^\circ$	$\gamma = 40^\circ$	$\gamma = 90^\circ$
$\beta = 120^\circ$	$a = 10 \text{ cm}$	$c = 6 \text{ cm}$	$c = 2 \text{ cm}$	$\gamma = 50^\circ$	$a = 4 \text{ cm}$
$\beta = 20^\circ$	$\gamma = 120^\circ$	$\alpha = 60^\circ$	$a = 10 \text{ cm}$	$\alpha = 10^\circ$	$c = 9 \text{ cm}$
$a = 6 \text{ cm}$	$\gamma = 60^\circ$	$\alpha = 50^\circ$	$a = 4 \text{ cm}$	$b = 8 \text{ cm}$	$c = 2 \text{ cm}$
$b = 6 \text{ cm}$	$\alpha = 90^\circ$	$\alpha = 120^\circ$	$\alpha = 30^\circ$	$\gamma = 90^\circ$	$\alpha = 20^\circ$
$a = 3 \text{ cm}$	$b = 5 \text{ cm}$	$c = 1 \text{ cm}$	$\beta = 50^\circ$	$b = 2 \text{ cm}$	$b = 10 \text{ cm}$
$b = 7 \text{ cm}$	$\gamma = 130^\circ$	$c = 8 \text{ cm}$	$\beta = 45^\circ$	$c = 4 \text{ cm}$	$\beta = 60^\circ$
$\alpha = 20^\circ$	$b = 1 \text{ cm}$	$\gamma = 50^\circ$	$a = 5 \text{ cm}$	$c = 5 \text{ cm}$	$\alpha = 60^\circ$
$\gamma = 130^\circ$	$\gamma = 40^\circ$	$c = 8 \text{ cm}$	$a = 8 \text{ cm}$	$\gamma = 120^\circ$	$c = 7 \text{ cm}$
$\gamma = 100^\circ$	$c = 5 \text{ cm}$	$\alpha = 45^\circ$	$\beta = 100^\circ$	$a = 2 \text{ cm}$	$a = 1 \text{ cm}$
$a = 5 \text{ cm}$	$c = 6 \text{ cm}$	$a = 8 \text{ cm}$	$\beta = 140^\circ$	$a = 3 \text{ cm}$	$a = 1 \text{ cm}$
$\gamma = 60^\circ$	$\gamma = 75^\circ$	$\gamma = 10^\circ$	$b = 9 \text{ cm}$	$b = 3 \text{ cm}$	$\beta = 30^\circ$
$\alpha = 80^\circ$	$b = 1 \text{ cm}$	$c = 9 \text{ cm}$	$\gamma = 100^\circ$	$c = 3 \text{ cm}$	$\alpha = 30^\circ$
$\gamma = 75^\circ$	$\beta = 30^\circ$	$c = 1 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 10^\circ$	$a = 2 \text{ cm}$
$c = 7 \text{ cm}$	$c = 10 \text{ cm}$	$b = 7 \text{ cm}$	$b = 5 \text{ cm}$	$\gamma = 110^\circ$	$a = 6 \text{ cm}$

Kongruenz-Bingo (83)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\alpha = 120^\circ$	$\beta = 20^\circ$	$\gamma = 75^\circ$	$a = 8 \text{ cm}$	$a = 7 \text{ cm}$	$a = 4 \text{ cm}$
$\gamma = 75^\circ$	$b = 1 \text{ cm}$	$b = 2 \text{ cm}$	$b = 6 \text{ cm}$	$b = 9 \text{ cm}$	$\gamma = 10^\circ$
$a = 5 \text{ cm}$	$c = 4 \text{ cm}$	$\alpha = 10^\circ$	$\beta = 100^\circ$	$c = 7 \text{ cm}$	$\beta = 90^\circ$
$c = 1 \text{ cm}$	$\gamma = 50^\circ$	$a = 1 \text{ cm}$	$b = 5 \text{ cm}$	$b = 5 \text{ cm}$	$b = 2 \text{ cm}$
$c = 1 \text{ cm}$	$b = 4 \text{ cm}$	$c = 10 \text{ cm}$	$b = 8 \text{ cm}$	$\gamma = 90^\circ$	$\beta = 90^\circ$
$\gamma = 110^\circ$	$\alpha = 90^\circ$	$\gamma = 40^\circ$	$\gamma = 90^\circ$	$a = 1 \text{ cm}$	$\gamma = 50^\circ$
$\beta = 50^\circ$	$\alpha = 120^\circ$	$\alpha = 30^\circ$	$c = 7 \text{ cm}$	$\alpha = 45^\circ$	$\alpha = 20^\circ$
$a = 6 \text{ cm}$	$\gamma = 100^\circ$	$\gamma = 130^\circ$	$\gamma = 110^\circ$	$\alpha = 50^\circ$	$\alpha = 80^\circ$
$b = 4 \text{ cm}$	$b = 7 \text{ cm}$	$c = 4 \text{ cm}$	$\beta = 60^\circ$	$b = 9 \text{ cm}$	$c = 8 \text{ cm}$
$a = 4 \text{ cm}$	$c = 2 \text{ cm}$	$\beta = 30^\circ$	$\gamma = 100^\circ$	$\gamma = 120^\circ$	$c = 9 \text{ cm}$
$\beta = 140^\circ$	$a = 5 \text{ cm}$	$c = 5 \text{ cm}$	$\alpha = 60^\circ$	$\gamma = 60^\circ$	$\gamma = 40^\circ$
$a = 9 \text{ cm}$	$\beta = 120^\circ$	$\beta = 120^\circ$	$\alpha = 20^\circ$	$b = 6 \text{ cm}$	$\alpha = 45^\circ$
$\gamma = 60^\circ$	$\alpha = 60^\circ$	$c = 8 \text{ cm}$	$\alpha = 140^\circ$	$\alpha = 50^\circ$	$\alpha = 140^\circ$
$\beta = 60^\circ$	$\gamma = 10^\circ$	$c = 2 \text{ cm}$	$\alpha = 30^\circ$	$a = 6 \text{ cm}$	$b = 3 \text{ cm}$
$c = 9 \text{ cm}$	$\beta = 30^\circ$	$a = 9 \text{ cm}$	$a = 3 \text{ cm}$	$\beta = 45^\circ$	$\alpha = 80^\circ$
$\beta = 70^\circ$	$b = 7 \text{ cm}$	$\beta = 70^\circ$	$c = 3 \text{ cm}$	$a = 3 \text{ cm}$	$a = 2 \text{ cm}$
$b = 1 \text{ cm}$	$a = 2 \text{ cm}$	$b = 3 \text{ cm}$	$c = 6 \text{ cm}$	$\beta = 50^\circ$	$\beta = 100^\circ$
$\beta = 45^\circ$	$\alpha = 10^\circ$	$c = 3 \text{ cm}$	$\alpha = 90^\circ$	$b = 8 \text{ cm}$	$\gamma = 120^\circ$
$\gamma = 130^\circ$	$a = 10 \text{ cm}$	$a = 10 \text{ cm}$	$a = 8 \text{ cm}$	$b = 10 \text{ cm}$	$\beta = 140^\circ$
$\beta = 20^\circ$	$b = 10 \text{ cm}$	$a = 7 \text{ cm}$	$c = 10 \text{ cm}$	$c = 6 \text{ cm}$	$c = 5 \text{ cm}$

Kongruenz-Bingo (84)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\gamma = 10^\circ$	$c = 3 \text{ cm}$	$\beta = 45^\circ$	$\beta = 100^\circ$	$\alpha = 140^\circ$	$\alpha = 10^\circ$
$a = 4 \text{ cm}$	$\gamma = 120^\circ$	$\gamma = 100^\circ$	$\alpha = 120^\circ$	$a = 6 \text{ cm}$	$a = 5 \text{ cm}$
$c = 8 \text{ cm}$	$b = 4 \text{ cm}$	$\alpha = 50^\circ$	$\alpha = 20^\circ$	$a = 2 \text{ cm}$	$c = 1 \text{ cm}$
$b = 10 \text{ cm}$	$\beta = 70^\circ$	$b = 4 \text{ cm}$	$\gamma = 10^\circ$	$\beta = 120^\circ$	$b = 8 \text{ cm}$
$\gamma = 130^\circ$	$b = 1 \text{ cm}$	$\beta = 20^\circ$	$c = 6 \text{ cm}$	$b = 6 \text{ cm}$	$\gamma = 90^\circ$
$b = 6 \text{ cm}$	$\beta = 60^\circ$	$\beta = 50^\circ$	$\beta = 140^\circ$	$a = 10 \text{ cm}$	$\alpha = 60^\circ$
$\gamma = 110^\circ$	$b = 8 \text{ cm}$	$b = 7 \text{ cm}$	$c = 6 \text{ cm}$	$\alpha = 90^\circ$	$c = 7 \text{ cm}$
$\alpha = 60^\circ$	$\beta = 45^\circ$	$\alpha = 120^\circ$	$c = 1 \text{ cm}$	$\alpha = 50^\circ$	$\gamma = 50^\circ$
$a = 4 \text{ cm}$	$\beta = 90^\circ$	$\alpha = 10^\circ$	$a = 3 \text{ cm}$	$c = 10 \text{ cm}$	$a = 10 \text{ cm}$
$\gamma = 120^\circ$	$\alpha = 20^\circ$	$\beta = 60^\circ$	$b = 2 \text{ cm}$	$\beta = 30^\circ$	$b = 5 \text{ cm}$
$\gamma = 100^\circ$	$\alpha = 45^\circ$	$a = 1 \text{ cm}$	$a = 1 \text{ cm}$	$c = 4 \text{ cm}$	$\beta = 20^\circ$
$b = 1 \text{ cm}$	$a = 7 \text{ cm}$	$\alpha = 140^\circ$	$a = 9 \text{ cm}$	$\gamma = 60^\circ$	$b = 3 \text{ cm}$
$c = 2 \text{ cm}$	$\gamma = 90^\circ$	$a = 5 \text{ cm}$	$c = 4 \text{ cm}$	$\gamma = 130^\circ$	$c = 2 \text{ cm}$
$a = 8 \text{ cm}$	$b = 7 \text{ cm}$	$c = 8 \text{ cm}$	$\beta = 50^\circ$	$\gamma = 40^\circ$	$b = 9 \text{ cm}$
$\alpha = 30^\circ$	$\alpha = 90^\circ$	$b = 2 \text{ cm}$	$c = 9 \text{ cm}$	$\gamma = 75^\circ$	$c = 5 \text{ cm}$
$\gamma = 50^\circ$	$c = 9 \text{ cm}$	$\gamma = 110^\circ$	$\beta = 100^\circ$	$\alpha = 80^\circ$	$c = 5 \text{ cm}$
$b = 3 \text{ cm}$	$a = 6 \text{ cm}$	$b = 5 \text{ cm}$	$b = 9 \text{ cm}$	$a = 3 \text{ cm}$	$b = 10 \text{ cm}$
$\beta = 140^\circ$	$c = 10 \text{ cm}$	$\gamma = 60^\circ$	$a = 7 \text{ cm}$	$\alpha = 80^\circ$	$c = 3 \text{ cm}$
$\beta = 120^\circ$	$\alpha = 30^\circ$	$\gamma = 40^\circ$	$\beta = 30^\circ$	$\beta = 70^\circ$	$a = 2 \text{ cm}$
$\beta = 90^\circ$	$\gamma = 75^\circ$	$a = 8 \text{ cm}$	$\alpha = 45^\circ$	$a = 9 \text{ cm}$	$c = 7 \text{ cm}$

Kongruenz-Bingo (85)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$a = 8 \text{ cm}$	$\gamma = 50^\circ$	$a = 6 \text{ cm}$	$c = 4 \text{ cm}$	$c = 10 \text{ cm}$	$\alpha = 20^\circ$
$b = 5 \text{ cm}$	$a = 4 \text{ cm}$	$\beta = 20^\circ$	$\gamma = 120^\circ$	$\alpha = 50^\circ$	$\alpha = 120^\circ$
$b = 2 \text{ cm}$	$\alpha = 120^\circ$	$\alpha = 60^\circ$	$\beta = 100^\circ$	$\alpha = 10^\circ$	$b = 4 \text{ cm}$
$\beta = 70^\circ$	$\gamma = 50^\circ$	$a = 3 \text{ cm}$	$a = 4 \text{ cm}$	$c = 2 \text{ cm}$	$\gamma = 10^\circ$
$a = 6 \text{ cm}$	$\gamma = 60^\circ$	$\gamma = 75^\circ$	$c = 6 \text{ cm}$	$b = 3 \text{ cm}$	$\alpha = 30^\circ$
$c = 2 \text{ cm}$	$\beta = 90^\circ$	$c = 6 \text{ cm}$	$a = 7 \text{ cm}$	$\gamma = 130^\circ$	$\alpha = 10^\circ$
$c = 1 \text{ cm}$	$a = 9 \text{ cm}$	$\beta = 60^\circ$	$b = 10 \text{ cm}$	$b = 5 \text{ cm}$	$\gamma = 90^\circ$
$c = 3 \text{ cm}$	$\gamma = 75^\circ$	$\alpha = 30^\circ$	$b = 6 \text{ cm}$	$b = 7 \text{ cm}$	$\gamma = 110^\circ$
$a = 9 \text{ cm}$	$\beta = 140^\circ$	$b = 3 \text{ cm}$	$\alpha = 80^\circ$	$a = 10 \text{ cm}$	$\beta = 70^\circ$
$a = 5 \text{ cm}$	$\gamma = 110^\circ$	$\beta = 120^\circ$	$a = 8 \text{ cm}$	$c = 8 \text{ cm}$	$a = 2 \text{ cm}$
$\alpha = 50^\circ$	$\alpha = 90^\circ$	$c = 7 \text{ cm}$	$c = 1 \text{ cm}$	$b = 2 \text{ cm}$	$b = 8 \text{ cm}$
$\alpha = 90^\circ$	$a = 3 \text{ cm}$	$\beta = 30^\circ$	$a = 1 \text{ cm}$	$a = 1 \text{ cm}$	$\alpha = 140^\circ$
$b = 1 \text{ cm}$	$\beta = 60^\circ$	$b = 10 \text{ cm}$	$\beta = 100^\circ$	$a = 2 \text{ cm}$	$\gamma = 90^\circ$
$\beta = 50^\circ$	$c = 3 \text{ cm}$	$\gamma = 40^\circ$	$c = 10 \text{ cm}$	$\beta = 120^\circ$	$\gamma = 120^\circ$
$b = 7 \text{ cm}$	$\gamma = 130^\circ$	$\beta = 140^\circ$	$\beta = 90^\circ$	$\gamma = 10^\circ$	$c = 5 \text{ cm}$
$\alpha = 45^\circ$	$c = 7 \text{ cm}$	$c = 9 \text{ cm}$	$\gamma = 40^\circ$	$b = 9 \text{ cm}$	$\alpha = 20^\circ$
$b = 9 \text{ cm}$	$b = 1 \text{ cm}$	$\alpha = 60^\circ$	$b = 4 \text{ cm}$	$a = 10 \text{ cm}$	$\gamma = 100^\circ$
$b = 8 \text{ cm}$	$\alpha = 80^\circ$	$\beta = 50^\circ$	$\alpha = 140^\circ$	$\beta = 30^\circ$	$b = 6 \text{ cm}$
$c = 4 \text{ cm}$	$\alpha = 45^\circ$	$\beta = 45^\circ$	$a = 7 \text{ cm}$	$\gamma = 100^\circ$	$\beta = 45^\circ$
$c = 8 \text{ cm}$	$a = 5 \text{ cm}$	$\gamma = 60^\circ$	$c = 5 \text{ cm}$	$\beta = 20^\circ$	$c = 9 \text{ cm}$

Kongruenz-Bingo (86)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\beta = 30^\circ$	$\gamma = 75^\circ$	$\alpha = 10^\circ$	$b = 4 \text{ cm}$	$c = 4 \text{ cm}$	$c = 4 \text{ cm}$
$\beta = 70^\circ$	$\gamma = 60^\circ$	$\beta = 60^\circ$	$\beta = 100^\circ$	$\gamma = 130^\circ$	$a = 5 \text{ cm}$
$\beta = 120^\circ$	$c = 2 \text{ cm}$	$\alpha = 20^\circ$	$c = 1 \text{ cm}$	$\beta = 20^\circ$	$c = 8 \text{ cm}$
$b = 3 \text{ cm}$	$\alpha = 20^\circ$	$b = 5 \text{ cm}$	$\gamma = 100^\circ$	$\alpha = 140^\circ$	$\beta = 100^\circ$
$a = 3 \text{ cm}$	$b = 9 \text{ cm}$	$\gamma = 50^\circ$	$\gamma = 110^\circ$	$\beta = 90^\circ$	$a = 2 \text{ cm}$
$c = 3 \text{ cm}$	$\gamma = 120^\circ$	$\alpha = 50^\circ$	$c = 6 \text{ cm}$	$\gamma = 60^\circ$	$\alpha = 50^\circ$
$\alpha = 80^\circ$	$\alpha = 140^\circ$	$\gamma = 110^\circ$	$b = 2 \text{ cm}$	$a = 3 \text{ cm}$	$a = 2 \text{ cm}$
$\beta = 30^\circ$	$a = 9 \text{ cm}$	$\gamma = 10^\circ$	$\beta = 90^\circ$	$c = 8 \text{ cm}$	$\beta = 45^\circ$
$a = 6 \text{ cm}$	$a = 8 \text{ cm}$	$a = 9 \text{ cm}$	$b = 10 \text{ cm}$	$a = 10 \text{ cm}$	$\alpha = 120^\circ$
$a = 7 \text{ cm}$	$\beta = 60^\circ$	$\alpha = 10^\circ$	$\beta = 120^\circ$	$\gamma = 130^\circ$	$a = 5 \text{ cm}$
$c = 3 \text{ cm}$	$c = 9 \text{ cm}$	$\alpha = 90^\circ$	$b = 5 \text{ cm}$	$\gamma = 90^\circ$	$\gamma = 10^\circ$
$a = 1 \text{ cm}$	$b = 2 \text{ cm}$	$\beta = 140^\circ$	$a = 10 \text{ cm}$	$b = 6 \text{ cm}$	$b = 1 \text{ cm}$
$\alpha = 45^\circ$	$\alpha = 60^\circ$	$c = 9 \text{ cm}$	$c = 10 \text{ cm}$	$c = 6 \text{ cm}$	$b = 8 \text{ cm}$
$c = 7 \text{ cm}$	$a = 4 \text{ cm}$	$a = 8 \text{ cm}$	$\beta = 20^\circ$	$\alpha = 120^\circ$	$\gamma = 75^\circ$
$\gamma = 120^\circ$	$\alpha = 30^\circ$	$\gamma = 40^\circ$	$b = 9 \text{ cm}$	$a = 4 \text{ cm}$	$\alpha = 80^\circ$
$b = 4 \text{ cm}$	$c = 7 \text{ cm}$	$b = 8 \text{ cm}$	$b = 10 \text{ cm}$	$\alpha = 90^\circ$	$b = 7 \text{ cm}$
$\gamma = 50^\circ$	$c = 5 \text{ cm}$	$\gamma = 40^\circ$	$\alpha = 30^\circ$	$b = 7 \text{ cm}$	$\gamma = 100^\circ$
$\beta = 50^\circ$	$c = 10 \text{ cm}$	$c = 1 \text{ cm}$	$\beta = 45^\circ$	$b = 1 \text{ cm}$	$\alpha = 60^\circ$
$b = 3 \text{ cm}$	$\beta = 70^\circ$	$c = 5 \text{ cm}$	$c = 2 \text{ cm}$	$a = 1 \text{ cm}$	$\gamma = 90^\circ$
$\alpha = 45^\circ$	$\beta = 50^\circ$	$a = 7 \text{ cm}$	$b = 6 \text{ cm}$	$\beta = 140^\circ$	$a = 6 \text{ cm}$

Kongruenz-Bingo (87)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\beta = 45^\circ$	$b = 4 \text{ cm}$	$c = 4 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 130^\circ$	$\alpha = 120^\circ$
$\gamma = 90^\circ$	$\beta = 30^\circ$	$c = 3 \text{ cm}$	$\beta = 120^\circ$	$\gamma = 90^\circ$	$\beta = 100^\circ$
$c = 3 \text{ cm}$	$\gamma = 110^\circ$	$\alpha = 45^\circ$	$\beta = 90^\circ$	$b = 6 \text{ cm}$	$\gamma = 60^\circ$
$a = 10 \text{ cm}$	$b = 10 \text{ cm}$	$\alpha = 20^\circ$	$\beta = 20^\circ$	$a = 2 \text{ cm}$	$c = 8 \text{ cm}$
$\beta = 20^\circ$	$c = 6 \text{ cm}$	$c = 7 \text{ cm}$	$b = 10 \text{ cm}$	$\alpha = 140^\circ$	$a = 8 \text{ cm}$
$b = 8 \text{ cm}$	$c = 8 \text{ cm}$	$\alpha = 20^\circ$	$\gamma = 110^\circ$	$a = 7 \text{ cm}$	$\alpha = 60^\circ$
$a = 6 \text{ cm}$	$c = 9 \text{ cm}$	$\beta = 45^\circ$	$a = 8 \text{ cm}$	$a = 5 \text{ cm}$	$b = 9 \text{ cm}$
$b = 1 \text{ cm}$	$\gamma = 100^\circ$	$c = 1 \text{ cm}$	$c = 5 \text{ cm}$	$b = 2 \text{ cm}$	$c = 9 \text{ cm}$
$\gamma = 100^\circ$	$a = 2 \text{ cm}$	$\gamma = 120^\circ$	$\beta = 100^\circ$	$c = 10 \text{ cm}$	$a = 3 \text{ cm}$
$c = 7 \text{ cm}$	$\alpha = 90^\circ$	$a = 4 \text{ cm}$	$\beta = 70^\circ$	$\beta = 30^\circ$	$c = 4 \text{ cm}$
$\beta = 50^\circ$	$b = 9 \text{ cm}$	$\beta = 90^\circ$	$\beta = 140^\circ$	$\gamma = 60^\circ$	$a = 6 \text{ cm}$
$\alpha = 10^\circ$	$c = 10 \text{ cm}$	$\alpha = 10^\circ$	$a = 1 \text{ cm}$	$\alpha = 90^\circ$	$\alpha = 60^\circ$
$b = 2 \text{ cm}$	$b = 7 \text{ cm}$	$\gamma = 75^\circ$	$\alpha = 80^\circ$	$a = 5 \text{ cm}$	$\gamma = 75^\circ$
$b = 6 \text{ cm}$	$a = 4 \text{ cm}$	$\gamma = 50^\circ$	$\alpha = 80^\circ$	$b = 5 \text{ cm}$	$\alpha = 140^\circ$
$\beta = 50^\circ$	$\alpha = 50^\circ$	$a = 9 \text{ cm}$	$\gamma = 40^\circ$	$c = 1 \text{ cm}$	$a = 10 \text{ cm}$
$\gamma = 10^\circ$	$\gamma = 120^\circ$	$c = 5 \text{ cm}$	$\beta = 120^\circ$	$a = 3 \text{ cm}$	$b = 7 \text{ cm}$
$b = 3 \text{ cm}$	$\beta = 60^\circ$	$\gamma = 130^\circ$	$a = 7 \text{ cm}$	$\alpha = 30^\circ$	$b = 3 \text{ cm}$
$\alpha = 120^\circ$	$\beta = 60^\circ$	$\gamma = 10^\circ$	$b = 4 \text{ cm}$	$\beta = 140^\circ$	$b = 8 \text{ cm}$
$\alpha = 50^\circ$	$c = 2 \text{ cm}$	$c = 2 \text{ cm}$	$\gamma = 40^\circ$	$\gamma = 50^\circ$	$\alpha = 30^\circ$
$\alpha = 45^\circ$	$\beta = 70^\circ$	$b = 1 \text{ cm}$	$c = 6 \text{ cm}$	$a = 1 \text{ cm}$	$b = 5 \text{ cm}$

Kongruenz-Bingo (88)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\alpha = 50^\circ$	$b = 2 \text{ cm}$	$\gamma = 60^\circ$	$a = 6 \text{ cm}$	$\alpha = 80^\circ$	$b = 4 \text{ cm}$
$a = 8 \text{ cm}$	$a = 2 \text{ cm}$	$\gamma = 110^\circ$	$\beta = 50^\circ$	$a = 4 \text{ cm}$	$\gamma = 110^\circ$
$\alpha = 20^\circ$	$c = 4 \text{ cm}$	$\beta = 50^\circ$	$c = 1 \text{ cm}$	$\alpha = 45^\circ$	$a = 5 \text{ cm}$
$\beta = 60^\circ$	$b = 1 \text{ cm}$	$b = 8 \text{ cm}$	$\alpha = 45^\circ$	$a = 7 \text{ cm}$	$\alpha = 30^\circ$
$\alpha = 60^\circ$	$\alpha = 10^\circ$	$c = 9 \text{ cm}$	$\beta = 70^\circ$	$\alpha = 80^\circ$	$c = 5 \text{ cm}$
$\alpha = 120^\circ$	$\alpha = 10^\circ$	$a = 9 \text{ cm}$	$c = 10 \text{ cm}$	$\gamma = 100^\circ$	$\gamma = 75^\circ$
$\alpha = 20^\circ$	$\gamma = 10^\circ$	$b = 7 \text{ cm}$	$a = 9 \text{ cm}$	$a = 1 \text{ cm}$	$c = 1 \text{ cm}$
$c = 3 \text{ cm}$	$c = 6 \text{ cm}$	$\beta = 90^\circ$	$\gamma = 90^\circ$	$\beta = 30^\circ$	$\beta = 20^\circ$
$b = 5 \text{ cm}$	$\gamma = 130^\circ$	$\gamma = 100^\circ$	$c = 7 \text{ cm}$	$\gamma = 120^\circ$	$a = 10 \text{ cm}$
$b = 5 \text{ cm}$	$b = 2 \text{ cm}$	$c = 10 \text{ cm}$	$\alpha = 30^\circ$	$c = 5 \text{ cm}$	$b = 7 \text{ cm}$
$\beta = 100^\circ$	$a = 5 \text{ cm}$	$\beta = 20^\circ$	$b = 8 \text{ cm}$	$\alpha = 120^\circ$	$\beta = 70^\circ$
$\gamma = 10^\circ$	$b = 4 \text{ cm}$	$\gamma = 130^\circ$	$\alpha = 140^\circ$	$a = 6 \text{ cm}$	$\gamma = 40^\circ$
$\beta = 60^\circ$	$a = 3 \text{ cm}$	$\gamma = 50^\circ$	$b = 6 \text{ cm}$	$b = 10 \text{ cm}$	$\beta = 120^\circ$
$a = 4 \text{ cm}$	$\beta = 45^\circ$	$\beta = 140^\circ$	$b = 6 \text{ cm}$	$\alpha = 140^\circ$	$\gamma = 60^\circ$
$c = 2 \text{ cm}$	$\gamma = 50^\circ$	$b = 9 \text{ cm}$	$c = 7 \text{ cm}$	$a = 3 \text{ cm}$	$b = 1 \text{ cm}$
$\alpha = 90^\circ$	$\beta = 120^\circ$	$\gamma = 120^\circ$	$b = 9 \text{ cm}$	$b = 3 \text{ cm}$	$\beta = 30^\circ$
$\beta = 90^\circ$	$b = 3 \text{ cm}$	$c = 3 \text{ cm}$	$a = 7 \text{ cm}$	$\gamma = 90^\circ$	$a = 2 \text{ cm}$
$a = 1 \text{ cm}$	$c = 9 \text{ cm}$	$\gamma = 40^\circ$	$\alpha = 50^\circ$	$\beta = 140^\circ$	$c = 8 \text{ cm}$
$c = 6 \text{ cm}$	$\beta = 100^\circ$	$c = 4 \text{ cm}$	$\gamma = 75^\circ$	$c = 2 \text{ cm}$	$\alpha = 60^\circ$
$b = 10 \text{ cm}$	$\alpha = 90^\circ$	$\beta = 45^\circ$	$a = 8 \text{ cm}$	$a = 10 \text{ cm}$	$c = 8 \text{ cm}$

Kongruenz-Bingo (89)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\gamma = 10^\circ$	$\beta = 70^\circ$	$a = 8 \text{ cm}$	$\alpha = 80^\circ$	$\beta = 70^\circ$	$b = 8 \text{ cm}$
$b = 2 \text{ cm}$	$\gamma = 75^\circ$	$\beta = 140^\circ$	$\beta = 60^\circ$	$c = 2 \text{ cm}$	$c = 3 \text{ cm}$
$a = 3 \text{ cm}$	$\beta = 100^\circ$	$\beta = 30^\circ$	$c = 5 \text{ cm}$	$c = 1 \text{ cm}$	$a = 10 \text{ cm}$
$\alpha = 90^\circ$	$\gamma = 75^\circ$	$\beta = 50^\circ$	$a = 5 \text{ cm}$	$a = 1 \text{ cm}$	$b = 1 \text{ cm}$
$a = 7 \text{ cm}$	$\gamma = 100^\circ$	$\gamma = 60^\circ$	$c = 10 \text{ cm}$	$c = 7 \text{ cm}$	$b = 4 \text{ cm}$
$\alpha = 45^\circ$	$\gamma = 10^\circ$	$\alpha = 20^\circ$	$\alpha = 20^\circ$	$b = 1 \text{ cm}$	$\beta = 90^\circ$
$a = 1 \text{ cm}$	$a = 10 \text{ cm}$	$c = 8 \text{ cm}$	$\alpha = 80^\circ$	$b = 10 \text{ cm}$	$a = 7 \text{ cm}$
$\gamma = 110^\circ$	$\beta = 45^\circ$	$\gamma = 110^\circ$	$c = 10 \text{ cm}$	$\beta = 90^\circ$	$c = 9 \text{ cm}$
$\beta = 30^\circ$	$\beta = 100^\circ$	$a = 2 \text{ cm}$	$b = 7 \text{ cm}$	$\gamma = 40^\circ$	$\alpha = 30^\circ$
$c = 4 \text{ cm}$	$a = 2 \text{ cm}$	$b = 3 \text{ cm}$	$a = 5 \text{ cm}$	$a = 9 \text{ cm}$	$\beta = 20^\circ$
$\gamma = 50^\circ$	$\beta = 120^\circ$	$\alpha = 45^\circ$	$\alpha = 120^\circ$	$\beta = 20^\circ$	$\gamma = 90^\circ$
$b = 5 \text{ cm}$	$a = 4 \text{ cm}$	$\alpha = 10^\circ$	$\gamma = 130^\circ$	$\alpha = 60^\circ$	$\gamma = 50^\circ$
$b = 6 \text{ cm}$	$a = 6 \text{ cm}$	$c = 3 \text{ cm}$	$a = 8 \text{ cm}$	$\gamma = 90^\circ$	$\gamma = 40^\circ$
$\gamma = 100^\circ$	$\alpha = 140^\circ$	$c = 7 \text{ cm}$	$\gamma = 120^\circ$	$b = 7 \text{ cm}$	$\alpha = 50^\circ$
$a = 6 \text{ cm}$	$a = 4 \text{ cm}$	$\alpha = 140^\circ$	$c = 9 \text{ cm}$	$\alpha = 60^\circ$	$\alpha = 90^\circ$
$\alpha = 120^\circ$	$\beta = 45^\circ$	$\beta = 140^\circ$	$a = 9 \text{ cm}$	$\gamma = 130^\circ$	$b = 3 \text{ cm}$
$b = 5 \text{ cm}$	$c = 8 \text{ cm}$	$b = 2 \text{ cm}$	$a = 3 \text{ cm}$	$\alpha = 10^\circ$	$b = 9 \text{ cm}$
$\gamma = 60^\circ$	$b = 10 \text{ cm}$	$\beta = 120^\circ$	$c = 4 \text{ cm}$	$\beta = 50^\circ$	$\alpha = 30^\circ$
$c = 6 \text{ cm}$	$\beta = 60^\circ$	$c = 1 \text{ cm}$	$b = 4 \text{ cm}$	$b = 9 \text{ cm}$	$c = 6 \text{ cm}$
$b = 6 \text{ cm}$	$c = 2 \text{ cm}$	$b = 8 \text{ cm}$	$c = 5 \text{ cm}$	$\alpha = 50^\circ$	$\gamma = 120^\circ$

Kongruenz-Bingo (90)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\beta = 120^\circ$	$b = 9 \text{ cm}$	$a = 9 \text{ cm}$	$c = 7 \text{ cm}$	$\alpha = 20^\circ$	$b = 7 \text{ cm}$
$c = 4 \text{ cm}$	$\alpha = 80^\circ$	$a = 4 \text{ cm}$	$\alpha = 20^\circ$	$c = 9 \text{ cm}$	$\gamma = 75^\circ$
$\alpha = 140^\circ$	$\beta = 30^\circ$	$\alpha = 60^\circ$	$b = 2 \text{ cm}$	$c = 8 \text{ cm}$	$\beta = 140^\circ$
$a = 1 \text{ cm}$	$\gamma = 110^\circ$	$\alpha = 50^\circ$	$\beta = 70^\circ$	$\gamma = 60^\circ$	$\gamma = 50^\circ$
$\alpha = 60^\circ$	$\gamma = 10^\circ$	$\beta = 30^\circ$	$\beta = 50^\circ$	$\gamma = 10^\circ$	$b = 5 \text{ cm}$
$\beta = 60^\circ$	$b = 2 \text{ cm}$	$c = 4 \text{ cm}$	$c = 1 \text{ cm}$	$c = 2 \text{ cm}$	$\alpha = 90^\circ$
$b = 10 \text{ cm}$	$\alpha = 45^\circ$	$b = 3 \text{ cm}$	$\gamma = 40^\circ$	$\gamma = 110^\circ$	$\alpha = 10^\circ$
$\alpha = 50^\circ$	$c = 6 \text{ cm}$	$\alpha = 120^\circ$	$\beta = 100^\circ$	$a = 10 \text{ cm}$	$\gamma = 50^\circ$
$a = 5 \text{ cm}$	$c = 2 \text{ cm}$	$\alpha = 140^\circ$	$a = 5 \text{ cm}$	$\gamma = 100^\circ$	$a = 2 \text{ cm}$
$\gamma = 130^\circ$	$c = 6 \text{ cm}$	$\gamma = 75^\circ$	$b = 6 \text{ cm}$	$a = 2 \text{ cm}$	$b = 3 \text{ cm}$
$\alpha = 30^\circ$	$\beta = 120^\circ$	$\alpha = 45^\circ$	$a = 8 \text{ cm}$	$a = 7 \text{ cm}$	$\gamma = 90^\circ$
$a = 7 \text{ cm}$	$c = 1 \text{ cm}$	$b = 5 \text{ cm}$	$a = 4 \text{ cm}$	$\gamma = 60^\circ$	$a = 3 \text{ cm}$
$b = 8 \text{ cm}$	$\alpha = 10^\circ$	$b = 9 \text{ cm}$	$\alpha = 80^\circ$	$\gamma = 130^\circ$	$\alpha = 30^\circ$
$b = 10 \text{ cm}$	$\beta = 20^\circ$	$\beta = 140^\circ$	$a = 6 \text{ cm}$	$\alpha = 90^\circ$	$a = 1 \text{ cm}$
$\gamma = 90^\circ$	$\gamma = 100^\circ$	$c = 5 \text{ cm}$	$a = 3 \text{ cm}$	$\beta = 90^\circ$	$\beta = 60^\circ$
$\gamma = 120^\circ$	$a = 10 \text{ cm}$	$\gamma = 40^\circ$	$\beta = 20^\circ$	$c = 10 \text{ cm}$	$c = 10 \text{ cm}$
$c = 7 \text{ cm}$	$\beta = 50^\circ$	$\gamma = 120^\circ$	$b = 1 \text{ cm}$	$a = 9 \text{ cm}$	$b = 6 \text{ cm}$
$b = 1 \text{ cm}$	$a = 6 \text{ cm}$	$c = 5 \text{ cm}$	$b = 4 \text{ cm}$	$b = 4 \text{ cm}$	$\beta = 90^\circ$
$c = 8 \text{ cm}$	$\alpha = 120^\circ$	$\beta = 45^\circ$	$\beta = 70^\circ$	$b = 8 \text{ cm}$	$c = 3 \text{ cm}$
$a = 8 \text{ cm}$	$c = 9 \text{ cm}$	$c = 3 \text{ cm}$	$\beta = 45^\circ$	$\beta = 100^\circ$	$b = 7 \text{ cm}$

Kongruenz-Bingo (91)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\gamma = 50^\circ$	$\alpha = 20^\circ$	$a = 5 \text{ cm}$	$b = 10 \text{ cm}$	$\gamma = 10^\circ$	$\gamma = 40^\circ$
$\gamma = 90^\circ$	$\beta = 60^\circ$	$a = 2 \text{ cm}$	$c = 4 \text{ cm}$	$\alpha = 80^\circ$	$c = 3 \text{ cm}$
$\alpha = 90^\circ$	$\alpha = 140^\circ$	$a = 9 \text{ cm}$	$b = 6 \text{ cm}$	$a = 7 \text{ cm}$	$b = 10 \text{ cm}$
$a = 10 \text{ cm}$	$\alpha = 45^\circ$	$\alpha = 45^\circ$	$c = 1 \text{ cm}$	$c = 9 \text{ cm}$	$a = 3 \text{ cm}$
$c = 4 \text{ cm}$	$\alpha = 60^\circ$	$a = 4 \text{ cm}$	$\gamma = 50^\circ$	$\alpha = 120^\circ$	$a = 3 \text{ cm}$
$a = 8 \text{ cm}$	$\beta = 100^\circ$	$c = 5 \text{ cm}$	$\alpha = 20^\circ$	$\gamma = 130^\circ$	$a = 6 \text{ cm}$
$\beta = 45^\circ$	$c = 1 \text{ cm}$	$\gamma = 40^\circ$	$\gamma = 10^\circ$	$b = 5 \text{ cm}$	$\gamma = 110^\circ$
$\beta = 20^\circ$	$\gamma = 110^\circ$	$b = 3 \text{ cm}$	$b = 4 \text{ cm}$	$\alpha = 30^\circ$	$\alpha = 140^\circ$
$b = 7 \text{ cm}$	$c = 7 \text{ cm}$	$\beta = 90^\circ$	$\alpha = 60^\circ$	$c = 3 \text{ cm}$	$c = 6 \text{ cm}$
$b = 1 \text{ cm}$	$b = 3 \text{ cm}$	$c = 10 \text{ cm}$	$\beta = 70^\circ$	$\beta = 140^\circ$	$\gamma = 60^\circ$
$\beta = 70^\circ$	$a = 5 \text{ cm}$	$c = 8 \text{ cm}$	$b = 2 \text{ cm}$	$\alpha = 30^\circ$	$\beta = 20^\circ$
$a = 4 \text{ cm}$	$c = 2 \text{ cm}$	$a = 2 \text{ cm}$	$b = 6 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 90^\circ$
$c = 9 \text{ cm}$	$b = 5 \text{ cm}$	$\gamma = 60^\circ$	$\alpha = 50^\circ$	$a = 8 \text{ cm}$	$\alpha = 80^\circ$
$\gamma = 100^\circ$	$\beta = 60^\circ$	$c = 2 \text{ cm}$	$\alpha = 120^\circ$	$c = 5 \text{ cm}$	$b = 8 \text{ cm}$
$\gamma = 120^\circ$	$b = 9 \text{ cm}$	$\gamma = 100^\circ$	$b = 1 \text{ cm}$	$\beta = 90^\circ$	$a = 6 \text{ cm}$
$a = 1 \text{ cm}$	$\beta = 140^\circ$	$c = 10 \text{ cm}$	$c = 6 \text{ cm}$	$a = 1 \text{ cm}$	$b = 7 \text{ cm}$
$\alpha = 50^\circ$	$\beta = 30^\circ$	$\alpha = 90^\circ$	$b = 4 \text{ cm}$	$\alpha = 10^\circ$	$\beta = 45^\circ$
$b = 2 \text{ cm}$	$\gamma = 75^\circ$	$a = 7 \text{ cm}$	$\beta = 120^\circ$	$\beta = 50^\circ$	$b = 9 \text{ cm}$
$\beta = 50^\circ$	$\beta = 30^\circ$	$c = 7 \text{ cm}$	$\gamma = 75^\circ$	$\beta = 120^\circ$	$\alpha = 10^\circ$
$c = 8 \text{ cm}$	$\gamma = 130^\circ$	$\gamma = 120^\circ$	$\beta = 100^\circ$	$a = 10 \text{ cm}$	$b = 8 \text{ cm}$

Kongruenz-Bingo (92)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\gamma = 130^\circ$	$\alpha = 60^\circ$	$\gamma = 120^\circ$	$b = 2 \text{ cm}$	$\beta = 140^\circ$	$\alpha = 50^\circ$
$c = 6 \text{ cm}$	$\alpha = 10^\circ$	$b = 8 \text{ cm}$	$\alpha = 120^\circ$	$b = 4 \text{ cm}$	$\alpha = 50^\circ$
$\alpha = 90^\circ$	$a = 2 \text{ cm}$	$\alpha = 10^\circ$	$a = 5 \text{ cm}$	$\alpha = 80^\circ$	$c = 8 \text{ cm}$
$c = 5 \text{ cm}$	$\alpha = 30^\circ$	$a = 1 \text{ cm}$	$b = 10 \text{ cm}$	$a = 8 \text{ cm}$	$\beta = 70^\circ$
$\beta = 30^\circ$	$\alpha = 20^\circ$	$\gamma = 50^\circ$	$c = 3 \text{ cm}$	$a = 5 \text{ cm}$	$\beta = 20^\circ$
$\alpha = 90^\circ$	$\gamma = 90^\circ$	$c = 2 \text{ cm}$	$c = 9 \text{ cm}$	$a = 3 \text{ cm}$	$c = 7 \text{ cm}$
$b = 6 \text{ cm}$	$b = 7 \text{ cm}$	$a = 8 \text{ cm}$	$\beta = 60^\circ$	$\beta = 90^\circ$	$\gamma = 60^\circ$
$\beta = 120^\circ$	$\alpha = 45^\circ$	$a = 1 \text{ cm}$	$\gamma = 100^\circ$	$a = 7 \text{ cm}$	$a = 3 \text{ cm}$
$b = 1 \text{ cm}$	$b = 3 \text{ cm}$	$c = 9 \text{ cm}$	$a = 6 \text{ cm}$	$c = 2 \text{ cm}$	$\beta = 120^\circ$
$\gamma = 120^\circ$	$a = 7 \text{ cm}$	$b = 5 \text{ cm}$	$\beta = 30^\circ$	$b = 9 \text{ cm}$	$\gamma = 40^\circ$
$b = 8 \text{ cm}$	$c = 6 \text{ cm}$	$\gamma = 75^\circ$	$c = 4 \text{ cm}$	$\alpha = 20^\circ$	$a = 6 \text{ cm}$
$c = 1 \text{ cm}$	$b = 6 \text{ cm}$	$\gamma = 100^\circ$	$c = 10 \text{ cm}$	$b = 1 \text{ cm}$	$b = 4 \text{ cm}$
$\beta = 45^\circ$	$a = 2 \text{ cm}$	$a = 10 \text{ cm}$	$\gamma = 40^\circ$	$\gamma = 110^\circ$	$b = 5 \text{ cm}$
$\alpha = 30^\circ$	$\beta = 100^\circ$	$a = 4 \text{ cm}$	$b = 10 \text{ cm}$	$\alpha = 140^\circ$	$c = 3 \text{ cm}$
$\gamma = 60^\circ$	$\beta = 50^\circ$	$\gamma = 130^\circ$	$\gamma = 10^\circ$	$\beta = 20^\circ$	$a = 10 \text{ cm}$
$c = 1 \text{ cm}$	$\alpha = 80^\circ$	$a = 9 \text{ cm}$	$c = 10 \text{ cm}$	$b = 9 \text{ cm}$	$\gamma = 110^\circ$
$\beta = 70^\circ$	$b = 3 \text{ cm}$	$\alpha = 140^\circ$	$c = 4 \text{ cm}$	$\alpha = 60^\circ$	$b = 2 \text{ cm}$
$\beta = 140^\circ$	$\beta = 45^\circ$	$\gamma = 90^\circ$	$\alpha = 120^\circ$	$\beta = 90^\circ$	$c = 5 \text{ cm}$
$c = 8 \text{ cm}$	$b = 7 \text{ cm}$	$a = 9 \text{ cm}$	$c = 7 \text{ cm}$	$\gamma = 50^\circ$	$\alpha = 45^\circ$
$a = 4 \text{ cm}$	$\beta = 60^\circ$	$\beta = 50^\circ$	$\gamma = 10^\circ$	$\gamma = 75^\circ$	$\beta = 100^\circ$

Kongruenz-Bingo (93)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\gamma = 40^\circ$	$c = 6 \text{ cm}$	$\beta = 70^\circ$	$\alpha = 20^\circ$	$b = 8 \text{ cm}$	$\beta = 30^\circ$
$\alpha = 140^\circ$	$a = 6 \text{ cm}$	$b = 1 \text{ cm}$	$\beta = 60^\circ$	$a = 5 \text{ cm}$	$\beta = 90^\circ$
$\gamma = 10^\circ$	$a = 4 \text{ cm}$	$\alpha = 120^\circ$	$b = 3 \text{ cm}$	$\alpha = 90^\circ$	$b = 9 \text{ cm}$
$c = 2 \text{ cm}$	$c = 2 \text{ cm}$	$\beta = 100^\circ$	$c = 8 \text{ cm}$	$c = 10 \text{ cm}$	$\beta = 50^\circ$
$\gamma = 60^\circ$	$b = 7 \text{ cm}$	$\beta = 60^\circ$	$b = 5 \text{ cm}$	$c = 3 \text{ cm}$	$\gamma = 130^\circ$
$\beta = 45^\circ$	$\gamma = 50^\circ$	$b = 5 \text{ cm}$	$\gamma = 50^\circ$	$\beta = 20^\circ$	$\beta = 20^\circ$
$\alpha = 80^\circ$	$b = 7 \text{ cm}$	$b = 8 \text{ cm}$	$a = 7 \text{ cm}$	$c = 9 \text{ cm}$	$\beta = 90^\circ$
$a = 5 \text{ cm}$	$c = 4 \text{ cm}$	$b = 6 \text{ cm}$	$a = 8 \text{ cm}$	$\alpha = 10^\circ$	$c = 8 \text{ cm}$
$b = 2 \text{ cm}$	$b = 4 \text{ cm}$	$c = 3 \text{ cm}$	$\gamma = 130^\circ$	$\alpha = 80^\circ$	$a = 8 \text{ cm}$
$\alpha = 140^\circ$	$b = 4 \text{ cm}$	$\gamma = 120^\circ$	$b = 1 \text{ cm}$	$\gamma = 60^\circ$	$a = 4 \text{ cm}$
$\alpha = 50^\circ$	$\beta = 140^\circ$	$\alpha = 45^\circ$	$\gamma = 75^\circ$	$\beta = 120^\circ$	$a = 10 \text{ cm}$
$\beta = 120^\circ$	$b = 2 \text{ cm}$	$\gamma = 110^\circ$	$b = 10 \text{ cm}$	$a = 10 \text{ cm}$	$\beta = 140^\circ$
$c = 1 \text{ cm}$	$\beta = 70^\circ$	$b = 6 \text{ cm}$	$a = 7 \text{ cm}$	$a = 2 \text{ cm}$	$c = 4 \text{ cm}$
$\gamma = 120^\circ$	$\beta = 100^\circ$	$\alpha = 90^\circ$	$c = 7 \text{ cm}$	$c = 10 \text{ cm}$	$\beta = 30^\circ$
$\gamma = 10^\circ$	$\gamma = 100^\circ$	$c = 6 \text{ cm}$	$a = 1 \text{ cm}$	$\alpha = 50^\circ$	$\alpha = 20^\circ$
$a = 6 \text{ cm}$	$c = 5 \text{ cm}$	$a = 1 \text{ cm}$	$\alpha = 10^\circ$	$c = 5 \text{ cm}$	$b = 3 \text{ cm}$
$b = 9 \text{ cm}$	$\gamma = 75^\circ$	$b = 10 \text{ cm}$	$c = 7 \text{ cm}$	$c = 1 \text{ cm}$	$\gamma = 90^\circ$
$c = 9 \text{ cm}$	$\alpha = 60^\circ$	$a = 3 \text{ cm}$	$\beta = 45^\circ$	$a = 9 \text{ cm}$	$\beta = 50^\circ$
$\gamma = 90^\circ$	$\gamma = 110^\circ$	$\gamma = 40^\circ$	$a = 9 \text{ cm}$	$\alpha = 30^\circ$	$\alpha = 60^\circ$
$\alpha = 45^\circ$	$\alpha = 120^\circ$	$a = 3 \text{ cm}$	$\gamma = 100^\circ$	$\alpha = 30^\circ$	$a = 2 \text{ cm}$

Kongruenz-Bingo (94)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$c = 2 \text{ cm}$	$c = 7 \text{ cm}$	$c = 2 \text{ cm}$	$a = 2 \text{ cm}$	$b = 1 \text{ cm}$	$a = 6 \text{ cm}$
$\alpha = 60^\circ$	$b = 8 \text{ cm}$	$\gamma = 100^\circ$	$\alpha = 20^\circ$	$\alpha = 45^\circ$	$b = 6 \text{ cm}$
$\alpha = 60^\circ$	$\gamma = 60^\circ$	$a = 3 \text{ cm}$	$\beta = 70^\circ$	$\gamma = 100^\circ$	$\gamma = 10^\circ$
$\alpha = 10^\circ$	$b = 10 \text{ cm}$	$a = 10 \text{ cm}$	$a = 5 \text{ cm}$	$\gamma = 110^\circ$	$\gamma = 120^\circ$
$a = 5 \text{ cm}$	$b = 3 \text{ cm}$	$\beta = 100^\circ$	$\gamma = 130^\circ$	$b = 1 \text{ cm}$	$b = 5 \text{ cm}$
$\beta = 45^\circ$	$b = 4 \text{ cm}$	$c = 4 \text{ cm}$	$\beta = 140^\circ$	$c = 8 \text{ cm}$	$b = 6 \text{ cm}$
$a = 3 \text{ cm}$	$\alpha = 20^\circ$	$c = 10 \text{ cm}$	$\alpha = 10^\circ$	$\alpha = 80^\circ$	$b = 9 \text{ cm}$
$a = 8 \text{ cm}$	$b = 7 \text{ cm}$	$c = 1 \text{ cm}$	$\gamma = 90^\circ$	$c = 4 \text{ cm}$	$\beta = 120^\circ$
$c = 6 \text{ cm}$	$\beta = 90^\circ$	$\alpha = 120^\circ$	$c = 9 \text{ cm}$	$a = 4 \text{ cm}$	$a = 1 \text{ cm}$
$\beta = 60^\circ$	$b = 5 \text{ cm}$	$a = 9 \text{ cm}$	$\alpha = 50^\circ$	$c = 5 \text{ cm}$	$\gamma = 110^\circ$
$a = 8 \text{ cm}$	$\gamma = 40^\circ$	$a = 2 \text{ cm}$	$c = 8 \text{ cm}$	$b = 7 \text{ cm}$	$a = 7 \text{ cm}$
$\alpha = 90^\circ$	$c = 3 \text{ cm}$	$\gamma = 90^\circ$	$\beta = 20^\circ$	$\alpha = 90^\circ$	$\gamma = 60^\circ$
$\beta = 20^\circ$	$\beta = 100^\circ$	$a = 6 \text{ cm}$	$a = 4 \text{ cm}$	$\alpha = 80^\circ$	$c = 9 \text{ cm}$
$\beta = 120^\circ$	$\alpha = 30^\circ$	$\gamma = 50^\circ$	$b = 9 \text{ cm}$	$\alpha = 140^\circ$	$b = 8 \text{ cm}$
$b = 10 \text{ cm}$	$\alpha = 30^\circ$	$a = 9 \text{ cm}$	$\gamma = 40^\circ$	$\beta = 140^\circ$	$\alpha = 45^\circ$
$\gamma = 130^\circ$	$c = 3 \text{ cm}$	$\beta = 70^\circ$	$b = 3 \text{ cm}$	$b = 2 \text{ cm}$	$a = 1 \text{ cm}$
$\gamma = 75^\circ$	$\alpha = 120^\circ$	$\beta = 90^\circ$	$a = 10 \text{ cm}$	$a = 7 \text{ cm}$	$c = 10 \text{ cm}$
$\gamma = 10^\circ$	$b = 4 \text{ cm}$	$\gamma = 75^\circ$	$\alpha = 50^\circ$	$\alpha = 140^\circ$	$\beta = 50^\circ$
$c = 1 \text{ cm}$	$\beta = 50^\circ$	$\gamma = 50^\circ$	$\gamma = 120^\circ$	$\beta = 30^\circ$	$c = 7 \text{ cm}$
$c = 5 \text{ cm}$	$\beta = 30^\circ$	$b = 2 \text{ cm}$	$c = 6 \text{ cm}$	$\beta = 45^\circ$	$\beta = 60^\circ$

Kongruenz-Bingo (95)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$a = 10 \text{ cm}$	$c = 4 \text{ cm}$	$a = 6 \text{ cm}$	$b = 3 \text{ cm}$	$a = 3 \text{ cm}$	$c = 3 \text{ cm}$
$\beta = 60^\circ$	$\gamma = 50^\circ$	$\beta = 20^\circ$	$\gamma = 60^\circ$	$c = 6 \text{ cm}$	$\alpha = 50^\circ$
$b = 6 \text{ cm}$	$\alpha = 120^\circ$	$a = 2 \text{ cm}$	$a = 1 \text{ cm}$	$\alpha = 10^\circ$	$a = 2 \text{ cm}$
$\beta = 50^\circ$	$b = 3 \text{ cm}$	$\beta = 140^\circ$	$b = 5 \text{ cm}$	$a = 1 \text{ cm}$	$c = 5 \text{ cm}$
$\beta = 120^\circ$	$b = 4 \text{ cm}$	$\gamma = 110^\circ$	$a = 8 \text{ cm}$	$\gamma = 120^\circ$	$a = 8 \text{ cm}$
$\beta = 100^\circ$	$\gamma = 75^\circ$	$\gamma = 100^\circ$	$\gamma = 130^\circ$	$\gamma = 40^\circ$	$\beta = 50^\circ$
$c = 1 \text{ cm}$	$c = 9 \text{ cm}$	$\alpha = 30^\circ$	$b = 7 \text{ cm}$	$b = 8 \text{ cm}$	$\gamma = 90^\circ$
$\gamma = 130^\circ$	$a = 4 \text{ cm}$	$b = 9 \text{ cm}$	$b = 6 \text{ cm}$	$\gamma = 110^\circ$	$\alpha = 140^\circ$
$\gamma = 100^\circ$	$b = 5 \text{ cm}$	$c = 5 \text{ cm}$	$c = 1 \text{ cm}$	$\alpha = 60^\circ$	$\gamma = 90^\circ$
$\gamma = 60^\circ$	$\gamma = 75^\circ$	$\alpha = 60^\circ$	$b = 1 \text{ cm}$	$\gamma = 40^\circ$	$c = 8 \text{ cm}$
$a = 7 \text{ cm}$	$\beta = 30^\circ$	$\beta = 90^\circ$	$a = 6 \text{ cm}$	$\beta = 90^\circ$	$\alpha = 140^\circ$
$\alpha = 20^\circ$	$a = 4 \text{ cm}$	$c = 6 \text{ cm}$	$\beta = 120^\circ$	$\gamma = 10^\circ$	$\alpha = 30^\circ$
$\beta = 60^\circ$	$\alpha = 120^\circ$	$c = 4 \text{ cm}$	$b = 10 \text{ cm}$	$\alpha = 90^\circ$	$b = 9 \text{ cm}$
$\gamma = 10^\circ$	$c = 7 \text{ cm}$	$c = 3 \text{ cm}$	$c = 9 \text{ cm}$	$\gamma = 120^\circ$	$\alpha = 80^\circ$
$b = 8 \text{ cm}$	$\beta = 30^\circ$	$c = 8 \text{ cm}$	$\alpha = 20^\circ$	$\alpha = 10^\circ$	$c = 2 \text{ cm}$
$\alpha = 50^\circ$	$\alpha = 90^\circ$	$b = 1 \text{ cm}$	$\beta = 45^\circ$	$c = 10 \text{ cm}$	$\alpha = 45^\circ$
$\beta = 100^\circ$	$a = 3 \text{ cm}$	$\alpha = 80^\circ$	$a = 5 \text{ cm}$	$b = 10 \text{ cm}$	$a = 9 \text{ cm}$
$b = 7 \text{ cm}$	$\beta = 70^\circ$	$\beta = 20^\circ$	$c = 10 \text{ cm}$	$\beta = 70^\circ$	$\beta = 45^\circ$
$\beta = 140^\circ$	$b = 2 \text{ cm}$	$\gamma = 50^\circ$	$b = 2 \text{ cm}$	$a = 5 \text{ cm}$	$b = 4 \text{ cm}$
$a = 10 \text{ cm}$	$c = 2 \text{ cm}$	$\alpha = 45^\circ$	$a = 7 \text{ cm}$	$a = 9 \text{ cm}$	$c = 7 \text{ cm}$

Kongruenz-Bingo (96)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\alpha = 20^\circ$	$b = 2 \text{ cm}$	$\beta = 140^\circ$	$\gamma = 75^\circ$	$a = 7 \text{ cm}$	$a = 6 \text{ cm}$
$\beta = 90^\circ$	$\alpha = 60^\circ$	$\gamma = 90^\circ$	$c = 10 \text{ cm}$	$c = 8 \text{ cm}$	$c = 6 \text{ cm}$
$c = 2 \text{ cm}$	$\gamma = 110^\circ$	$c = 3 \text{ cm}$	$c = 10 \text{ cm}$	$b = 5 \text{ cm}$	$\alpha = 60^\circ$
$a = 8 \text{ cm}$	$\alpha = 90^\circ$	$b = 3 \text{ cm}$	$a = 3 \text{ cm}$	$a = 4 \text{ cm}$	$\beta = 70^\circ$
$c = 8 \text{ cm}$	$\alpha = 50^\circ$	$\gamma = 130^\circ$	$a = 9 \text{ cm}$	$c = 3 \text{ cm}$	$a = 4 \text{ cm}$
$\alpha = 140^\circ$	$\beta = 60^\circ$	$\beta = 30^\circ$	$a = 1 \text{ cm}$	$\alpha = 30^\circ$	$\alpha = 50^\circ$
$c = 5 \text{ cm}$	$b = 8 \text{ cm}$	$\gamma = 120^\circ$	$\beta = 60^\circ$	$\gamma = 10^\circ$	$\beta = 45^\circ$
$\gamma = 100^\circ$	$\beta = 20^\circ$	$c = 7 \text{ cm}$	$a = 1 \text{ cm}$	$a = 8 \text{ cm}$	$\alpha = 80^\circ$
$\alpha = 20^\circ$	$a = 5 \text{ cm}$	$c = 4 \text{ cm}$	$\gamma = 100^\circ$	$b = 1 \text{ cm}$	$b = 10 \text{ cm}$
$a = 5 \text{ cm}$	$b = 7 \text{ cm}$	$b = 7 \text{ cm}$	$\alpha = 10^\circ$	$\alpha = 120^\circ$	$a = 6 \text{ cm}$
$a = 2 \text{ cm}$	$\beta = 90^\circ$	$\alpha = 140^\circ$	$a = 7 \text{ cm}$	$\gamma = 90^\circ$	$\alpha = 30^\circ$
$\gamma = 120^\circ$	$\beta = 30^\circ$	$\gamma = 110^\circ$	$c = 5 \text{ cm}$	$\gamma = 40^\circ$	$c = 7 \text{ cm}$
$\gamma = 40^\circ$	$\gamma = 50^\circ$	$c = 9 \text{ cm}$	$\gamma = 50^\circ$	$b = 2 \text{ cm}$	$\gamma = 60^\circ$
$\beta = 50^\circ$	$b = 4 \text{ cm}$	$b = 9 \text{ cm}$	$\alpha = 10^\circ$	$a = 10 \text{ cm}$	$\alpha = 120^\circ$
$a = 10 \text{ cm}$	$c = 4 \text{ cm}$	$\beta = 70^\circ$	$a = 3 \text{ cm}$	$\beta = 100^\circ$	$c = 9 \text{ cm}$
$\alpha = 45^\circ$	$\beta = 20^\circ$	$\gamma = 130^\circ$	$\alpha = 80^\circ$	$\beta = 120^\circ$	$b = 6 \text{ cm}$
$\alpha = 90^\circ$	$a = 9 \text{ cm}$	$c = 1 \text{ cm}$	$b = 6 \text{ cm}$	$\beta = 50^\circ$	$c = 1 \text{ cm}$
$\gamma = 10^\circ$	$c = 6 \text{ cm}$	$\beta = 140^\circ$	$\gamma = 75^\circ$	$b = 1 \text{ cm}$	$a = 2 \text{ cm}$
$\beta = 45^\circ$	$\beta = 120^\circ$	$\gamma = 60^\circ$	$\beta = 100^\circ$	$b = 4 \text{ cm}$	$\alpha = 45^\circ$
$b = 9 \text{ cm}$	$b = 5 \text{ cm}$	$b = 10 \text{ cm}$	$c = 2 \text{ cm}$	$b = 8 \text{ cm}$	$b = 3 \text{ cm}$

Kongruenz-Bingo (97)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\alpha = 80^\circ$	$\alpha = 30^\circ$	$\beta = 60^\circ$	$a = 3 \text{ cm}$	$\beta = 70^\circ$	$\beta = 30^\circ$
$a = 7 \text{ cm}$	$a = 2 \text{ cm}$	$\alpha = 120^\circ$	$c = 8 \text{ cm}$	$\gamma = 10^\circ$	$\alpha = 80^\circ$
$c = 9 \text{ cm}$	$\beta = 45^\circ$	$b = 9 \text{ cm}$	$\gamma = 130^\circ$	$b = 10 \text{ cm}$	$\gamma = 40^\circ$
$b = 1 \text{ cm}$	$\gamma = 50^\circ$	$a = 9 \text{ cm}$	$b = 5 \text{ cm}$	$c = 10 \text{ cm}$	$c = 6 \text{ cm}$
$c = 5 \text{ cm}$	$\alpha = 45^\circ$	$\alpha = 120^\circ$	$a = 9 \text{ cm}$	$b = 6 \text{ cm}$	$\gamma = 130^\circ$
$c = 5 \text{ cm}$	$\gamma = 100^\circ$	$c = 2 \text{ cm}$	$\gamma = 90^\circ$	$b = 5 \text{ cm}$	$a = 8 \text{ cm}$
$c = 6 \text{ cm}$	$\alpha = 45^\circ$	$c = 3 \text{ cm}$	$a = 7 \text{ cm}$	$\beta = 50^\circ$	$b = 8 \text{ cm}$
$\beta = 70^\circ$	$\gamma = 75^\circ$	$\beta = 140^\circ$	$c = 4 \text{ cm}$	$\alpha = 140^\circ$	$c = 1 \text{ cm}$
$\beta = 90^\circ$	$\gamma = 90^\circ$	$\beta = 120^\circ$	$\alpha = 20^\circ$	$b = 1 \text{ cm}$	$b = 6 \text{ cm}$
$\beta = 100^\circ$	$\alpha = 60^\circ$	$\alpha = 60^\circ$	$a = 1 \text{ cm}$	$\beta = 20^\circ$	$\beta = 45^\circ$
$c = 9 \text{ cm}$	$\gamma = 110^\circ$	$\beta = 20^\circ$	$c = 1 \text{ cm}$	$a = 3 \text{ cm}$	$b = 10 \text{ cm}$
$\alpha = 50^\circ$	$\gamma = 120^\circ$	$\gamma = 40^\circ$	$b = 8 \text{ cm}$	$a = 8 \text{ cm}$	$\alpha = 140^\circ$
$b = 2 \text{ cm}$	$\alpha = 10^\circ$	$b = 7 \text{ cm}$	$\gamma = 50^\circ$	$\beta = 120^\circ$	$\beta = 60^\circ$
$\alpha = 20^\circ$	$c = 7 \text{ cm}$	$b = 4 \text{ cm}$	$\alpha = 10^\circ$	$\beta = 50^\circ$	$b = 4 \text{ cm}$
$\alpha = 90^\circ$	$c = 4 \text{ cm}$	$\alpha = 30^\circ$	$\alpha = 90^\circ$	$a = 10 \text{ cm}$	$\beta = 90^\circ$
$b = 9 \text{ cm}$	$\gamma = 60^\circ$	$c = 10 \text{ cm}$	$a = 5 \text{ cm}$	$a = 6 \text{ cm}$	$\gamma = 60^\circ$
$\alpha = 50^\circ$	$\beta = 100^\circ$	$\beta = 30^\circ$	$\gamma = 100^\circ$	$\gamma = 75^\circ$	$a = 1 \text{ cm}$
$c = 7 \text{ cm}$	$b = 3 \text{ cm}$	$c = 8 \text{ cm}$	$b = 2 \text{ cm}$	$c = 2 \text{ cm}$	$c = 3 \text{ cm}$
$\gamma = 10^\circ$	$a = 4 \text{ cm}$	$\gamma = 120^\circ$	$a = 4 \text{ cm}$	$b = 7 \text{ cm}$	$a = 10 \text{ cm}$
$b = 3 \text{ cm}$	$a = 6 \text{ cm}$	$\beta = 140^\circ$	$\gamma = 110^\circ$	$a = 5 \text{ cm}$	$a = 2 \text{ cm}$

Kongruenz-Bingo (98)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\alpha = 50^\circ$	$\beta = 120^\circ$	$c = 2 \text{ cm}$	$c = 1 \text{ cm}$	$c = 3 \text{ cm}$	$\alpha = 140^\circ$
$\gamma = 40^\circ$	$\beta = 100^\circ$	$a = 3 \text{ cm}$	$\gamma = 110^\circ$	$a = 9 \text{ cm}$	$b = 2 \text{ cm}$
$c = 7 \text{ cm}$	$\alpha = 30^\circ$	$\gamma = 50^\circ$	$b = 9 \text{ cm}$	$a = 5 \text{ cm}$	$c = 6 \text{ cm}$
$\gamma = 10^\circ$	$b = 10 \text{ cm}$	$\alpha = 80^\circ$	$\gamma = 60^\circ$	$\alpha = 90^\circ$	$a = 2 \text{ cm}$
$\gamma = 40^\circ$	$c = 4 \text{ cm}$	$a = 10 \text{ cm}$	$\beta = 30^\circ$	$\gamma = 120^\circ$	$b = 4 \text{ cm}$
$\alpha = 20^\circ$	$a = 3 \text{ cm}$	$c = 5 \text{ cm}$	$b = 10 \text{ cm}$	$\alpha = 80^\circ$	$a = 6 \text{ cm}$
$\alpha = 10^\circ$	$a = 6 \text{ cm}$	$\beta = 120^\circ$	$\alpha = 60^\circ$	$b = 8 \text{ cm}$	$c = 3 \text{ cm}$
$c = 6 \text{ cm}$	$\beta = 90^\circ$	$a = 5 \text{ cm}$	$c = 10 \text{ cm}$	$\beta = 70^\circ$	$c = 9 \text{ cm}$
$\beta = 20^\circ$	$a = 7 \text{ cm}$	$\beta = 50^\circ$	$\gamma = 100^\circ$	$\beta = 50^\circ$	$\gamma = 130^\circ$
$\gamma = 130^\circ$	$b = 9 \text{ cm}$	$c = 8 \text{ cm}$	$b = 7 \text{ cm}$	$b = 1 \text{ cm}$	$c = 10 \text{ cm}$
$\alpha = 45^\circ$	$\gamma = 75^\circ$	$\gamma = 50^\circ$	$a = 2 \text{ cm}$	$a = 7 \text{ cm}$	$b = 5 \text{ cm}$
$a = 8 \text{ cm}$	$c = 5 \text{ cm}$	$\alpha = 45^\circ$	$\alpha = 140^\circ$	$\gamma = 110^\circ$	$\beta = 140^\circ$
$\alpha = 120^\circ$	$\alpha = 50^\circ$	$c = 8 \text{ cm}$	$b = 2 \text{ cm}$	$a = 4 \text{ cm}$	$a = 8 \text{ cm}$
$b = 6 \text{ cm}$	$a = 10 \text{ cm}$	$\gamma = 60^\circ$	$b = 1 \text{ cm}$	$\beta = 70^\circ$	$c = 2 \text{ cm}$
$\gamma = 120^\circ$	$\beta = 45^\circ$	$\beta = 100^\circ$	$a = 4 \text{ cm}$	$\beta = 140^\circ$	$a = 1 \text{ cm}$
$b = 5 \text{ cm}$	$\gamma = 10^\circ$	$b = 8 \text{ cm}$	$\gamma = 90^\circ$	$c = 9 \text{ cm}$	$b = 3 \text{ cm}$
$\beta = 60^\circ$	$a = 9 \text{ cm}$	$b = 6 \text{ cm}$	$\alpha = 20^\circ$	$\alpha = 60^\circ$	$b = 7 \text{ cm}$
$\alpha = 10^\circ$	$b = 3 \text{ cm}$	$\gamma = 100^\circ$	$c = 1 \text{ cm}$	$\beta = 20^\circ$	$\beta = 30^\circ$
$\beta = 45^\circ$	$b = 4 \text{ cm}$	$\alpha = 90^\circ$	$\beta = 90^\circ$	$\gamma = 75^\circ$	$\alpha = 120^\circ$
$a = 1 \text{ cm}$	$\alpha = 30^\circ$	$c = 7 \text{ cm}$	$c = 4 \text{ cm}$	$\gamma = 90^\circ$	$\beta = 60^\circ$

Kongruenz-Bingo (99)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$c = 9 \text{ cm}$	$\beta = 60^\circ$	$c = 5 \text{ cm}$	$c = 5 \text{ cm}$	$b = 4 \text{ cm}$	$\alpha = 120^\circ$
$\beta = 50^\circ$	$\gamma = 75^\circ$	$\gamma = 75^\circ$	$\alpha = 80^\circ$	$b = 8 \text{ cm}$	$b = 10 \text{ cm}$
$\beta = 140^\circ$	$\gamma = 10^\circ$	$a = 7 \text{ cm}$	$\beta = 70^\circ$	$c = 6 \text{ cm}$	$\alpha = 50^\circ$
$b = 2 \text{ cm}$	$a = 5 \text{ cm}$	$c = 10 \text{ cm}$	$\gamma = 110^\circ$	$\gamma = 90^\circ$	$\gamma = 40^\circ$
$\beta = 140^\circ$	$c = 8 \text{ cm}$	$\beta = 70^\circ$	$\beta = 100^\circ$	$b = 9 \text{ cm}$	$c = 4 \text{ cm}$
$a = 3 \text{ cm}$	$\alpha = 120^\circ$	$a = 4 \text{ cm}$	$\alpha = 10^\circ$	$\alpha = 30^\circ$	$a = 6 \text{ cm}$
$c = 3 \text{ cm}$	$\gamma = 10^\circ$	$\gamma = 90^\circ$	$\alpha = 10^\circ$	$a = 10 \text{ cm}$	$c = 1 \text{ cm}$
$c = 2 \text{ cm}$	$b = 5 \text{ cm}$	$\beta = 50^\circ$	$b = 7 \text{ cm}$	$\alpha = 20^\circ$	$c = 4 \text{ cm}$
$a = 2 \text{ cm}$	$c = 1 \text{ cm}$	$a = 7 \text{ cm}$	$\gamma = 50^\circ$	$b = 8 \text{ cm}$	$\gamma = 100^\circ$
$a = 9 \text{ cm}$	$\alpha = 140^\circ$	$\beta = 20^\circ$	$\gamma = 50^\circ$	$\gamma = 130^\circ$	$b = 7 \text{ cm}$
$a = 2 \text{ cm}$	$\alpha = 90^\circ$	$b = 2 \text{ cm}$	$\gamma = 120^\circ$	$b = 10 \text{ cm}$	$\alpha = 80^\circ$
$c = 6 \text{ cm}$	$\beta = 90^\circ$	$\beta = 45^\circ$	$a = 10 \text{ cm}$	$\gamma = 120^\circ$	$b = 6 \text{ cm}$
$b = 3 \text{ cm}$	$c = 10 \text{ cm}$	$a = 3 \text{ cm}$	$a = 8 \text{ cm}$	$\beta = 60^\circ$	$c = 9 \text{ cm}$
$c = 8 \text{ cm}$	$\gamma = 130^\circ$	$\alpha = 45^\circ$	$a = 1 \text{ cm}$	$c = 3 \text{ cm}$	$\alpha = 50^\circ$
$b = 9 \text{ cm}$	$\alpha = 30^\circ$	$c = 7 \text{ cm}$	$a = 1 \text{ cm}$	$\alpha = 20^\circ$	$\beta = 20^\circ$
$\beta = 30^\circ$	$\beta = 100^\circ$	$\alpha = 60^\circ$	$\alpha = 90^\circ$	$a = 6 \text{ cm}$	$\alpha = 140^\circ$
$\alpha = 60^\circ$	$b = 4 \text{ cm}$	$a = 9 \text{ cm}$	$\beta = 30^\circ$	$\beta = 120^\circ$	$a = 8 \text{ cm}$
$\beta = 120^\circ$	$c = 2 \text{ cm}$	$\gamma = 60^\circ$	$b = 3 \text{ cm}$	$\gamma = 100^\circ$	$\gamma = 40^\circ$
$c = 7 \text{ cm}$	$b = 1 \text{ cm}$	$a = 4 \text{ cm}$	$b = 1 \text{ cm}$	$b = 6 \text{ cm}$	$a = 5 \text{ cm}$
$\beta = 45^\circ$	$\gamma = 60^\circ$	$\alpha = 45^\circ$	$\beta = 90^\circ$	$b = 5 \text{ cm}$	$\gamma = 110^\circ$

Kongruenz-Bingo (100)

Versuche die Größen so zusammen zu fassen, so dass du möglichst viele Dreiecke eindeutig nach den Kongruenzsätzen SSS, SWS, WSW und SsW konstruieren kannst. Die Felder, auf denen die drei Größen deines Dreiecks stehen, müssen auf dem Spielplan zusammenhängen. Du kannst also drei Felder über-, nebeneinander oder ums Eck wählen. Diagonalen sind nicht erlaubt.

$\gamma = 90^\circ$	$\gamma = 75^\circ$	$\alpha = 10^\circ$	$\gamma = 10^\circ$	$c = 1 \text{ cm}$	$c = 7 \text{ cm}$
$\gamma = 120^\circ$	$b = 3 \text{ cm}$	$\beta = 100^\circ$	$\alpha = 80^\circ$	$b = 9 \text{ cm}$	$a = 7 \text{ cm}$
$\gamma = 75^\circ$	$b = 8 \text{ cm}$	$\beta = 45^\circ$	$a = 5 \text{ cm}$	$a = 6 \text{ cm}$	$\alpha = 45^\circ$
$b = 4 \text{ cm}$	$b = 8 \text{ cm}$	$\beta = 140^\circ$	$c = 8 \text{ cm}$	$\alpha = 140^\circ$	$b = 4 \text{ cm}$
$\gamma = 90^\circ$	$b = 3 \text{ cm}$	$\beta = 45^\circ$	$c = 6 \text{ cm}$	$a = 4 \text{ cm}$	$\beta = 30^\circ$
$\alpha = 50^\circ$	$b = 10 \text{ cm}$	$c = 5 \text{ cm}$	$\gamma = 130^\circ$	$c = 4 \text{ cm}$	$\alpha = 60^\circ$
$b = 5 \text{ cm}$	$\gamma = 50^\circ$	$\alpha = 20^\circ$	$\beta = 50^\circ$	$\alpha = 10^\circ$	$\beta = 60^\circ$
$a = 10 \text{ cm}$	$c = 7 \text{ cm}$	$\alpha = 60^\circ$	$a = 7 \text{ cm}$	$b = 7 \text{ cm}$	$\alpha = 80^\circ$
$a = 1 \text{ cm}$	$a = 3 \text{ cm}$	$b = 1 \text{ cm}$	$\beta = 20^\circ$	$c = 5 \text{ cm}$	$c = 3 \text{ cm}$
$c = 4 \text{ cm}$	$\alpha = 50^\circ$	$c = 9 \text{ cm}$	$b = 2 \text{ cm}$	$\gamma = 120^\circ$	$c = 10 \text{ cm}$
$\gamma = 100^\circ$	$b = 2 \text{ cm}$	$c = 3 \text{ cm}$	$\alpha = 30^\circ$	$\gamma = 40^\circ$	$\beta = 90^\circ$
$\beta = 70^\circ$	$\beta = 70^\circ$	$b = 9 \text{ cm}$	$\gamma = 50^\circ$	$\gamma = 110^\circ$	$c = 1 \text{ cm}$
$\gamma = 60^\circ$	$\beta = 90^\circ$	$a = 8 \text{ cm}$	$\alpha = 90^\circ$	$\gamma = 110^\circ$	$a = 3 \text{ cm}$
$\beta = 60^\circ$	$\gamma = 130^\circ$	$\beta = 120^\circ$	$\alpha = 20^\circ$	$\alpha = 30^\circ$	$\alpha = 140^\circ$
$a = 1 \text{ cm}$	$b = 7 \text{ cm}$	$a = 2 \text{ cm}$	$\beta = 20^\circ$	$\alpha = 120^\circ$	$\beta = 50^\circ$
$c = 6 \text{ cm}$	$b = 1 \text{ cm}$	$b = 6 \text{ cm}$	$c = 2 \text{ cm}$	$a = 6 \text{ cm}$	$\alpha = 90^\circ$
$b = 6 \text{ cm}$	$a = 8 \text{ cm}$	$\beta = 100^\circ$	$c = 8 \text{ cm}$	$\gamma = 100^\circ$	$\alpha = 120^\circ$
$a = 4 \text{ cm}$	$a = 9 \text{ cm}$	$\gamma = 40^\circ$	$b = 10 \text{ cm}$	$a = 10 \text{ cm}$	$\beta = 120^\circ$
$a = 5 \text{ cm}$	$c = 2 \text{ cm}$	$\gamma = 10^\circ$	$a = 9 \text{ cm}$	$c = 10 \text{ cm}$	$\beta = 30^\circ$
$b = 5 \text{ cm}$	$a = 2 \text{ cm}$	$\alpha = 45^\circ$	$\beta = 140^\circ$	$c = 9 \text{ cm}$	$\gamma = 60^\circ$