

Vierecke | Fördern

Winkelsumme im Viereck – Lösung

1

a) und b)

$\alpha = 70^\circ$ spitzer Winkel

$\beta = 80^\circ$ spitzer Winkel

$\gamma = 120^\circ$ stumpfer Winkel

$\delta = 90^\circ$ rechter Winkel

360° Winkelsumme

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	Beispiel (s. o.)	a)	b)	c)	d)
α	70°	140°	60°	80°	125°
β	80°	40°	90°	120°	75°
γ	120°	70°	140°	130°	115°
δ	90°	110°	70°	30°	45°

3 6 0°																				
- 5 0°	(α)	-	3 6 0°	(β)	-	3 6 0°	(α)	-	3 6 0°	(α)	-	3 6 0°	(α)	-	3 6 0°	(α)	-	3 6 0°	(α)	
- 8 0°	(β)	-	4 0°	(γ)	-	6 0°	(β)	-	8 0°	(β)	-	8 0°	(β)	-	8 0°	(β)	-	8 0°	(β)	
- 1 2 0°	(δ)	-	7 0°	(δ)	-	9 0°	(γ)	-	1 2 0°	(δ)	-	1 2 0°	(δ)	-	1 2 0°	(δ)	-	1 2 0°	(δ)	
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= 1 1 0°	(γ)	=	1 1 0°	(δ)	=	1 4 0°	(γ)	=	3 0°	(δ)	=	3 0°	(δ)	=	3 0°	(δ)	=	3 0°	(δ)	
			1 4 0°	(α)		7 0°	(δ)		1 3 0°	(γ)		1 3 0°	(γ)		1 3 0°	(γ)		1 3 0°	(γ)	