

## Berechnungen im Allgemeinen Dreieck

Falte zuerst das Blatt entlang der Linie.

Löse dann die Aufgaben.

Runde die Ergebnisse wie in der Angabe jeweils angegeben.

Kontrolliere anschließend die Ergebnisse.

Notiere zum Schluss die Anzahl der richtigen Aufgaben.

*Bestimme die fehlenden Seiten und Winkel.*

1.	a = 4,80cm	b = 6,20cm	c = 10,0cm	$\alpha = 21,5^\circ$	$\beta = 28,2^\circ$	$\gamma = 130,3^\circ$
2.	b = 3,5cm	c = 6,0cm	$\alpha = 46,0^\circ$	a = 4,4cm	$\beta = 35,2^\circ$	$\gamma = 98,8^\circ$
3.	b = 3,1cm	$\alpha = 67^\circ$	$\gamma = 76^\circ$	a = 4,8m	c = 5,0cm	$\beta = 37^\circ$
4.	c = 6,0cm	$\alpha = 45^\circ$	$\gamma = 55^\circ$	a = 5,2cm	b = 7,2cm	$\beta = 80^\circ$
5.	a = 2,263cm	c = 3,149cm	$\gamma = 103,3^\circ$	b = 1,730cm	$\alpha = 44,4^\circ$	$\beta = 32,3^\circ$
6.	a = 6,74cm	b = 4,98cm	c = 7,76cm	$\alpha = 59,2^\circ$	$\beta = 39,4^\circ$	$\gamma = 81,4^\circ$
7.	c = 2,75cm	$\alpha = 32,1^\circ$	$\beta = 104,3^\circ$	a = 2,12cm	b = 3,87cm	$\gamma = 43,6^\circ$
8.	a = 3,2cm	c = 5,8cm	$\beta = 77^\circ$	b = 6,0cm	$\alpha = 32^\circ$	$\gamma = 71^\circ$
9.	b = 5,08cm	c = 7,46cm	$\gamma = 74,9^\circ$	a = 6,94cm	$\alpha = 64,0^\circ$	$\beta = 41,1^\circ$
10.	c = 4,8cm	$\beta = 75^\circ$	$\gamma = 70^\circ$	a = 2,9cm	b = 4,9cm	$\alpha = 35^\circ$
11.	a = 3,34cm	b = 1,78cm	c = 2,47cm	$\alpha = 102,4^\circ$	$\beta = 31,4^\circ$	$\gamma = 46,2^\circ$
12.	a = 6,5cm	b = 4,3cm	$\alpha = 110^\circ$	c = 3,6cm	$\beta = 38,5^\circ$	$\gamma = 31,5^\circ$
13.	a = 6,1cm	$\beta = 42,6^\circ$	$\gamma = 104^\circ$	b = 5,9cm	c = 10,8cm	$\alpha = 33,4^\circ$
14.	a = 5cm	b = 5cm	$\gamma = 88^\circ$	c = 6,95cm	$\alpha = 46^\circ$	$\beta = 46^\circ$
15.	a = 6,5cm	$\alpha = 89^\circ$	$\gamma = 34^\circ$	b = 11,1cm	c = 3,6cm	$\beta = 57^\circ$
16.	a = 5,08cm	b = 5,36cm	c = 3,94cm	$\alpha = 64,1^\circ$	$\beta = 71,6^\circ$	$\gamma = 44,3^\circ$
17.	b = 1,78cm	$\alpha = 102,4^\circ$	$\beta = 31,4^\circ$	a = 3,34m	c = 2,47cm	$\gamma = 46,2^\circ$
18.	a = 4,7cm	c = 6,3cm	$\gamma = 135^\circ$	b = 2,0cm	$\alpha = 32^\circ$	$\beta = 13^\circ$
19.	b = 9,7cm	c = 6,9cm	$\alpha = 37^\circ$	a = 5,9cm	$\beta = 98^\circ$	$\gamma = 45^\circ$
20.	c = 7,8cm	$\alpha = 41^\circ$	$\beta = 49^\circ$	a = 5,1cm	b = 5,9cm	$\gamma = 90^\circ$

## - Klapptest