

Mathematik
Würfel und Quader

Arbeitsauftrag:

1. Schreibe die Formel zur Berechnung des Volumens von Würfeln und Quadern auf.

2. Berechne das Volumen.

	a = 3 cm	b = 5 cm	c = 2 cm	A =
	a = 4 cm	b = 4 cm	c = 4 cm	A =
	a = 9 cm	b = 9 cm	c = 9 cm	A =
	a = 1 cm	b = 2 cm	c = 3 cm	A =
	a = 2 cm	b = 2 cm	c = 2 cm	A =
	a = 9 cm	b = 7 cm	c = 8 cm	A =
	a = 5 cm	b = 3 cm	c = 7 cm	A =
	a = 5 cm	b = 5 cm	c = 5 cm	A =

Binogi



Lösungen
Arbeitsblatt – Mathematik
Würfel und Quader

Mathematik

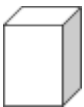







Würfel und Quader

Arbeitsauftrag:

1. Schreibe die Formel zur Berechnung des Volumens von Würfeln und Quadern auf.

$$\text{Volumen} = a \cdot b \cdot c$$

2. Berechne das Volumen.

	a = 3 cm	b = 5 cm	c = 2 cm	$A = 3 \cdot 5 \cdot 2 = 30 \text{ cm}^3$
	a = 4 cm	b = 4 cm	c = 4 cm	$A = 4 \cdot 4 \cdot 4 = 64 \text{ cm}^3$
	a = 9 cm	b = 9 cm	c = 9 cm	$A = 9 \cdot 9 \cdot 9 = 729 \text{ cm}^3$
	a = 1 cm	b = 2 cm	c = 3 cm	$A = 1 \cdot 2 \cdot 3 = 6 \text{ cm}^3$
	a = 2 cm	b = 2 cm	c = 2 cm	$A = 2 \cdot 2 \cdot 2 = 8 \text{ cm}^3$
	a = 9 cm	b = 7 cm	c = 8 cm	$A = 9 \cdot 7 \cdot 8 = 504 \text{ cm}^3$
	a = 5 cm	b = 3 cm	c = 7 cm	$A = 5 \cdot 3 \cdot 7 = 105 \text{ cm}^3$
	a = 5 cm	b = 5 cm	c = 5 cm	$A = 5 \cdot 5 \cdot 5 = 125 \text{ cm}^3$