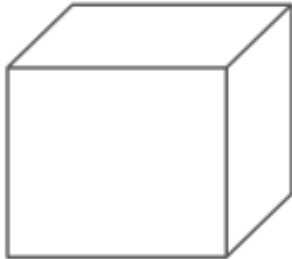


Mathematik

Die Oberfläche eines Würfels und Quaders

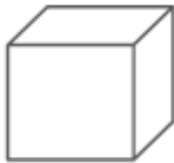
Arbeitsauftrag:

1. Berechne die Oberfläche der Würfel und der Quader.



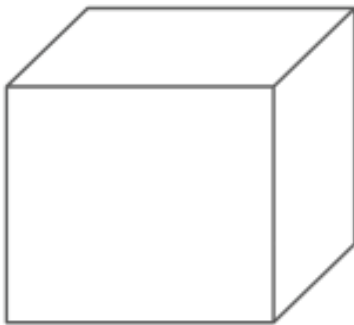
$$a = 5 \text{ cm}$$

$$A = \underline{\hspace{2cm}}$$



$$a = 2 \text{ cm}$$

$$A = \underline{\hspace{2cm}}$$



$$a = 7 \text{ cm}$$

$$A = \underline{\hspace{2cm}}$$



$$a = 7 \text{ cm}$$

$$b = 3 \text{ cm}$$

$$c = 2 \text{ cm}$$

$$A = \underline{\hspace{2cm}}$$

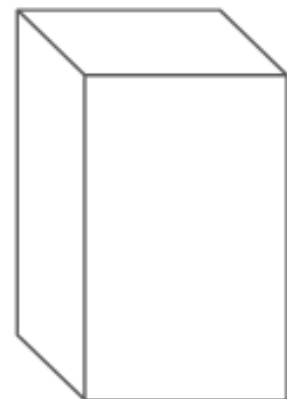


$$a = 5 \text{ cm}$$

$$b = 2 \text{ cm}$$

$$c = 2 \text{ cm}$$

$$A = \underline{\hspace{2cm}}$$



$$a = 4 \text{ cm}$$

$$b = 8 \text{ cm}$$

$$c = 3 \text{ cm}$$

$$A = \underline{\hspace{2cm}}$$



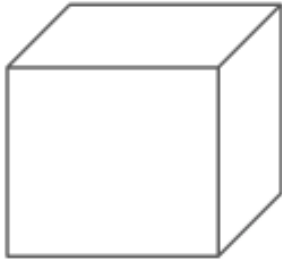
Lösungen
Arbeitsblatt – Mathematik
Die Oberfläche eines Würfels und Quaders

Mathematik

Die Oberfläche eines Würfels und Quaders

Arbeitsauftrag:

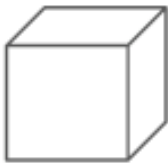
1. Berechne die Oberfläche der Würfel und der Quader.



$$a = 5 \text{ cm}$$
$$A = (5 \cdot 5) \cdot 6 = 75 \text{ cm}^2$$



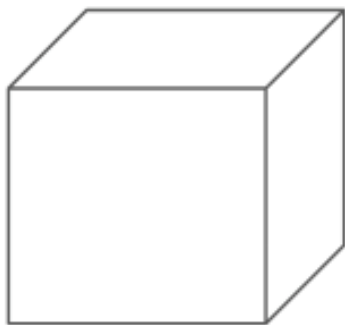
$$a = 7 \text{ cm}$$
$$b = 3 \text{ cm}$$
$$c = 2 \text{ cm}$$
$$A = (7 \cdot 3) \cdot 4 + (3 \cdot 2) \cdot 2 = 96 \text{ cm}^2$$



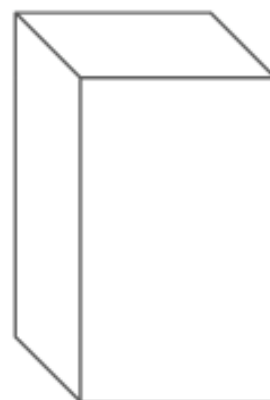
$$a = 2 \text{ cm}$$
$$A = (2 \cdot 2) \cdot 6 = 24 \text{ cm}^2$$



$$a = 5 \text{ cm}$$
$$b = 2 \text{ cm}$$
$$c = 2 \text{ cm}$$
$$A = (5 \cdot 2) \cdot 4 + (2 \cdot 2) \cdot 2 = 48 \text{ cm}^2$$



$$a = 7 \text{ cm}$$
$$A = (7 \cdot 7) \cdot 6 = 294 \text{ cm}^2$$



$$a = 4 \text{ cm}$$
$$b = 8 \text{ cm}$$
$$c = 3 \text{ cm}$$
$$A = (4 \cdot 8) \cdot 4 + (8 \cdot 3) \cdot 2 = 176 \text{ cm}^2$$