



How much space does this book take up on the table?

**The space a prism takes up on a table is the area of its base.**

$$A = L \times W$$

$$= \text{ cm} \times \text{ cm}$$

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

How much sand would I need to fill this box?

**The space filled inside a prism is its volume.**

$$V = L \times W \times H$$

$$V = \text{ cm} \times \text{ cm} \times \text{ cm}$$

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



A pizza box has these dimensions. L 30 cm W 32 cm H 5 cm

How much space does this pile of boxes take up on the table?

What is the volume of the pizza boxes combined?

We measure the volume in:  $\text{m}^3$   $\text{m}^2$   $\text{kg}$

We measure capacity in:  $\text{m}^3$   $\text{m}^2$   $\text{L}$

We measure area in:  $\text{m}^3$   $\text{m}^2$   $\text{cm}$

We measure mass in:  $\text{m}^3$   $\text{m}^2$   $\text{kg}$   $\text{L}$   $\text{g}$



$$L = 3\text{m}$$

$$W = 2\text{m}$$

$$H = 50\text{ cm}$$

$$50\text{ cm} = \text{ m}$$

How much space does this sandpit take up in the yard?

$$= \text{ x}$$

$$= \text{ x}$$

$$= \text{ m}^2$$

How much sand would I need to fill this box?

$$= \text{ x} \quad \text{x}$$

$$= \text{ x} \quad \text{x}$$

$$= \text{ m}^3$$



$$L = 5\text{m}$$

$$W = 4\text{m}$$

$$H = 70\text{ cm}$$

$$70\text{ cm} = \text{ m}$$

How much space does this sandpit take up in the yard?

$$= \text{ x}$$

$$= \text{ x}$$

$$= \text{ m}^2$$

How much sand would I need to fill this box?

$$= \text{ x} \quad \text{x}$$

$$= \text{ x} \quad \text{x}$$

$$= \text{ m}^3$$