

Build Tasks — Answers



1. This triangle's height is 3 times its base. Find the area.



Solution

$$h = 3 \times 6 = 18 \text{ cm}$$

$$A = \frac{1}{2} \times 6 \times 18 = 54 \text{ cm}^2$$

3. A triangle has base 5 cm. Its height is 6 times the base. Find its area.

Solution

$$h = 6 \times 5 = 30 \text{ cm}$$

$$A = \frac{1}{2} \times 5 \times 30 = 75 \text{ cm}^2$$

2. A triangle has base 9 cm. Its height is 4 times the base. Find its area.

Solution

$$h = 4 \times 9 = 36 \text{ cm}$$

$$A = \frac{1}{2} \times 9 \times 36 = 162 \text{ cm}^2$$

4. A triangle has base 8 cm. Its height is 2.5 times the base. Find its area.

Solution

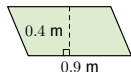
$$h = 2.5 \times 8 = 20 \text{ cm}$$

$$A = \frac{1}{2} \times 8 \times 20 = 80 \text{ cm}^2$$

Build Tasks — Answers



5. Find the area of this parallelogram.



Solution

$$\begin{aligned} A &= b \times h \\ &= 0.9 \times 0.4 = 0.36 \\ &\text{m}^2 \end{aligned}$$

7. A square has side length 1.2 m. Find its area.

Solution

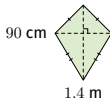
$$\begin{aligned} A &= 1.2 \times 1.2 \\ &= 1.44 \text{ m}^2 \end{aligned}$$

6. A rectangle has length 2.5 m and width 60 cm. Find its area in square metres.

Solution

$$\begin{aligned} 60 \text{ cm} &= 0.6 \text{ m} \\ A &= 2.5 \times 0.6 = 1.5 \text{ m}^2 \end{aligned}$$

8. Find this kite's area in m^2 .



Solution

$$\begin{aligned} 90 \text{ cm} &= 0.9 \text{ m} \\ A &= \frac{1}{2} \times 1.4 \times 0.9 = \\ &0.63 \text{ m}^2 \end{aligned}$$

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9. A kite has diagonals 13 cm and 6 cm. Find its area.

Solution

$$A = \frac{1}{2} \times 13 \times 6 \\ = 39 \text{ cm}^2$$

11. A parallelogram has base 7 cm and height 5 cm. A triangle has base 7 cm and height 10 cm. Show that the two shapes have equal area.

Solution

Both equal 35 cm^2

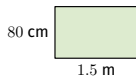
10. A square has side 6 cm and a rectangle is 4 cm by 10 cm. Which shape has the larger area, and by how much?

Solution

36 cm^2 vs 40 cm^2

Rectangle larger by 4 cm^2

12. Find the area of this rectangle in square metres.



Solution

$$80 \text{ cm} = 0.8 \text{ m}$$

$$A = 1.5 \times 0.8 = 1.2 \\ \text{m}^2$$