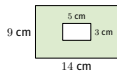


Build Tasks — Answers



1. Find the area of the shaded region.



Solution

$$14 \times 9 = 126$$

$$5 \times 3 = 15$$

Shaded

$$= 126 - 15 = 111 \text{ cm}^2$$

2. A rectangular garden 12 m by 8 m has a rectangular pond 3 m by 2 m cut out of it. Find the remaining area.

Solution

$$12 \times 8 = 96$$

$$3 \times 2 = 6$$

$$\text{Remaining} = 96 - 6 = 90 \text{ m}^2$$

3. A wall 10 m by 4 m has a rectangular window 2 m by 1.5 m. Find the area of the wall excluding the window.

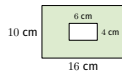
Solution

$$10 \times 4 = 40$$

$$2 \times 1.5 = 3$$

$$\text{Area} = 40 - 3 = 37 \text{ m}^2$$

4. Find the area of the shaded region.



Solution

$$16 \times 10 = 160$$

$$6 \times 4 = 24$$

Shaded

$$= 160 - 24 = 136 \text{ cm}^2$$

Build Tasks — Answers



5. A sheet of card 20 cm by 15 cm has a rectangular piece 8 cm by 5 cm cut from it. Find the remaining area.

Solution

$$20 \times 15 = 300$$

$$8 \times 5 = 40$$

$$\text{Remaining} = 300 - 40 = 260 \text{ cm}^2$$

7. An L-shape is made from a 2.5 m by 4 m rectangle and a 1.5 m by 2 m rectangle. Find its total area.

Solution

$$2.5 \times 4 = 10$$

$$1.5 \times 2 = 3$$

$$\text{Area} = 10 + 3 = 13 \text{ m}^2$$

6. A picture frame is 30 cm by 24 cm on the outside, with a 22 cm by 16 cm rectangular opening for the picture. Find the area of the frame material.

Solution

$$30 \times 24 = 720$$

$$22 \times 16 = 352$$

$$\text{Frame} = 720 - 352 = 368 \text{ cm}^2$$

8. An L-shape is made from a 6.5 cm by 3 cm rectangle and a 2 cm by 4 cm rectangle. Find its total area.

Solution

$$6.5 \times 3 = 19.5$$

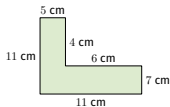
$$2 \times 4 = 8$$

$$\text{Area} = 19.5 + 8 = 27.5 \text{ cm}^2$$

Build Tasks — Answers



9. Find the total area of this L-shape.



Solution

$$5 \times 11 = 55$$

$$6 \times 7 = 42$$

$$\text{Area} = 55 + 42 = 97 \text{ cm}^2$$

11. A rectangular sports field 90 m by 50 m has a 6 m by 4 m maintenance shed built on one corner. Find the playable area outside the shed.

Solution

$$90 \times 50 = 4500$$

$$6 \times 4 = 24$$

$$\text{Playable} = 4500 - 24 = 4476 \text{ m}^2$$

10. An L-shaped room is formed from a 5 m by 4 m rectangle and a 3 m by 2 m rectangle. What is its total floor area?

Solution

$$5 \times 4 = 20$$

$$3 \times 2 = 6$$

$$\text{Area} = 20 + 6 = 26 \text{ m}^2$$

12. A 12 cm by 8 cm rectangle has a 4 cm by 3 cm corner removed. Find the area by subtraction, then check using addition.

Solution

$$\text{Subtract: } 12 \times 8 - 4 \times 3 = 96 - 12 = 84$$

$$\text{Add: } 8 \times 8 + 4 \times 5 = 64 + 20 = 84$$

$$\text{Area} = 84 \text{ cm}^2 \text{ (both agree)}$$