

Area (Square, Rectangle) -1

- Find the area of a rectangle if the length is 5cm and width is 12cm.
Answer: 60 cm^2
Area of a rectangle = length (l) x width (w)
 $l = 5\text{cm}, w = 12\text{cm}$
 $\text{Area} = 5 \times 12 = 60\text{cm}^2$
- Find the area of a rectangle if the length is 8.5cm and width is 6cm.
Answer: 51 cm^2
Area of a rectangle = length (l) x width (w)
 $l = 8.5\text{cm}, w = 6\text{cm}$
 $8.5 \times 6 = 51$
 $\text{Area} = 51\text{cm}^2$
- Find the area of a square if its side is 4cm.
Answer: 16 cm^2
Area of a square = side²
 $s = 4\text{cm}$
 $4^2 = 16$
 $\text{Area} = 16 \text{ cm}^2$
- Find the area of a square if its side is 6.5cm.
Answer: 42.25 cm^2
Area of a square = side²
 $s = 6.5\text{cm}$
 $6.5^2 = 6.5 \times 6.5 = 42.25$
 $\text{Area} = 42.25\text{cm}^2$
- A plot's length is 15m and its width is 30m. What is the area of the plot?
Answer: 450 m^2
Area of a rectangle = length (l) x width (w)
 $l = 15\text{m}, w = 30\text{m}$
 $\text{Area} = 15 \times 30 = 450 \text{ m}^2$
- The lobby of a house is a square. The length of its side is 3.2m. What is the area?
Answer: 10.24 cm^2
Area of a square = side²
 $s = 3.2\text{cm}$
 $3.2^2 = 3.2 \times 3.2 = 10.24$
 $\text{Area} = 10.24 \text{ cm}^2$
- Find the width of a rectangle if the area is 45cm^2 and the length is 9cm.
Answer: 5cm
Width of a rectangle = Area(A)/length(l)
 $A = 45\text{cm}^2, l = 9\text{cm}$
 $45/9 = 5$
Width = 5cm
- Find the length of a rectangle if the area is 77cm^2 and the width is 11cm.
Answer: 7 cm
Length of a rectangle = Area(A)/width(w)
 $A = 77\text{cm}^2, w = 11\text{cm}$

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$$77/11 = 7$$

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

9. Find the side of a square if the area is 64cm^2 .

$$\text{Answer: } 8 \text{ cm}$$

$$\text{Side of square} = \text{square root of Area (A)}$$

$$A = 64\text{cm}^2$$

$$\text{Square root of } 64 = 8$$

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

10. Find the side of a square if the area is 144cm^2 .

$$\text{Answer: } 12 \text{ cm}$$

$$\text{Side of square} = \text{square root of Area (A)}$$

$$A = 144\text{cm}^2$$

$$\text{Square root of } 144 = 12$$

$$\text{Side} = 12\text{cm}$$

How did you do? If you didn't do well, watch the following video and try again!

- [Area](#)