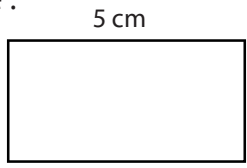


Area of a Rectangle

Example :



Perimeter = 16 cm

$$\text{Perimeter} = 2 \times (\text{Length} + \text{Width})$$

$$16 \text{ cm} = 2 \times (5 \text{ cm} + \text{width})$$

$$\frac{16}{2} = 5 \text{ cm} + \text{width}$$

$$8 = 5 \text{ cm} + \text{width}$$

$$\text{width} = 8 - 5 = \mathbf{3 \text{ cm}}$$

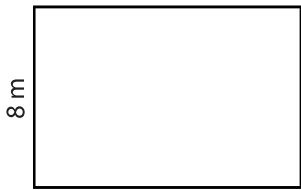
$$\text{Area} = \text{Length} \times \text{Width}$$

$$= 5 \text{ cm} \times 3 \text{ cm}$$

$$= \mathbf{15 \text{ cm}^2}$$

Find the area of each rectangle using the given perimeter.

1)

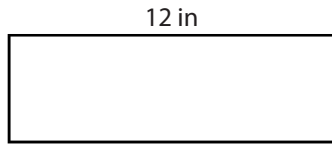


Perimeter = 36 m

Length = _____

Area = _____

2)



Perimeter = 30 in

Width = _____

Area = _____

3)

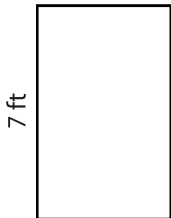


Perimeter = 24 yd

Length = _____

Area = _____

4)

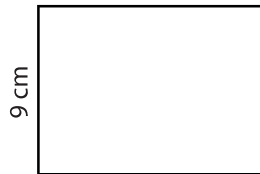


Perimeter = 20 ft

Width = _____

Area = _____

5)

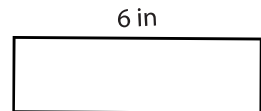


Perimeter = 40 cm

Length = _____

Area = _____

6)

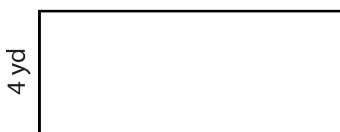


Perimeter = 16 in

Width = _____

Area = _____

7)

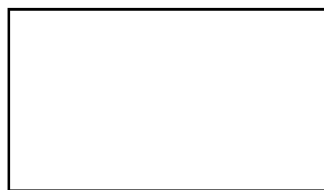


Perimeter = 28 yd

Length = _____

Area = _____

8)

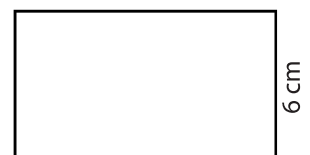


Perimeter = 48 mm

Width = _____

Area = _____

9)



Perimeter = 36 cm

Length = _____

Area = _____