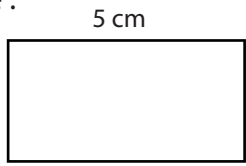


Area of a Rectangle

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)



10 in

Perimeter = 28 in

Width = _____

Area = _____

2)



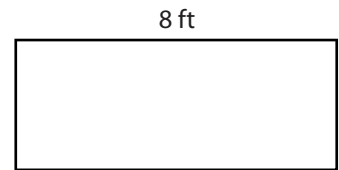
2 mm

Perimeter = 14 mm

Length = _____

Area = _____

3)



8 ft

Perimeter = 22 ft

Width = _____

Area = _____

4)



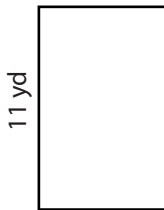
5 cm

Perimeter = 28 cm

Length = _____

Area = _____

5)



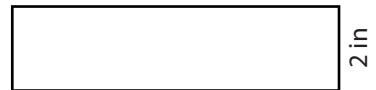
11 yd

Perimeter = 30 yd

Width = _____

Area = _____

6)



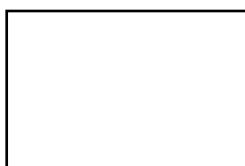
2 in

Perimeter = 24 in

Length = _____

Area = _____

7)



7 ft

Perimeter = 24 ft

Width = _____

Area = _____

8)



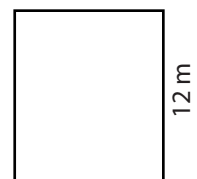
8 in

Perimeter = 44 in

Length = _____

Area = _____

9)



12 m

Perimeter = 36 m

Width = _____

Area = _____