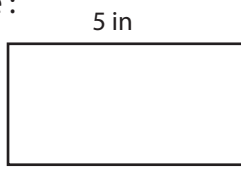


Rectangle - Area

Example :



Perimeter = 16 in

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

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

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

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

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

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

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

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

Find the area of each rectangle.

1)



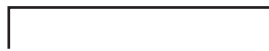
10 in

Perimeter = 28 in

Width = _____

Area = _____

2)



8 ft

Perimeter = 22 ft

Width = _____

Area = _____

3)



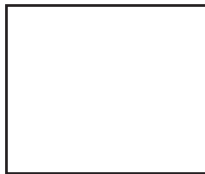
8 ft

Perimeter = 22 ft

Width = _____

Area = _____

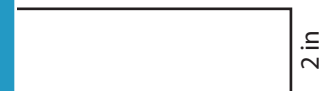
4)



Perimeter = 28 ft

Length = _____

Area = _____



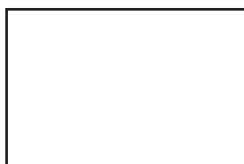
2 in

Perimeter = 24 in

Length = _____

Area = _____

7)

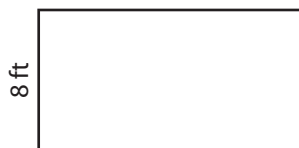


7 in

Perimeter = 24 in

Width = _____

Area = _____



8 ft

Perimeter = 44 ft

Length = _____

Area = _____



12 yd

Perimeter = 36 yd

Width = _____

Area = _____

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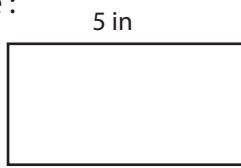
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Rectangle - Area

Sheet 3

Example :



Perimeter = 16 in

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

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

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

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

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

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

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

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

Find the area of each rectangle.

1)



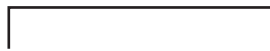
10 in

Perimeter = 28 in

Width = 4 in

Area = 40 in²

2)



8 ft

Perimeter = 22 ft

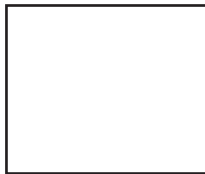
Width = 3 ft

Area = 24 ft²

3)



4)



Perimeter = 28 ft

Length = 9 ft

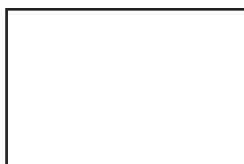
Area = 45 ft²

Perimeter = 24 in

Length = 10 in

Area = 20 in²

7)



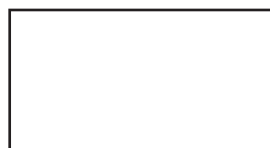
7 in

Perimeter = 24 in

Width = 5 in

Area = 35 in²

8 ft

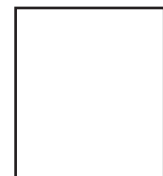


Perimeter = 44 ft

Length = 14 ft

Area = 112 ft²

12 yd



Perimeter = 36 yd

Width = 6 yd

Area = 72 yd²

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