


Area of a Rectangle

Example :


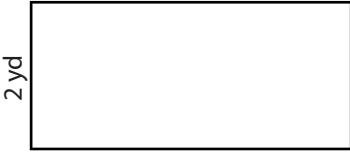
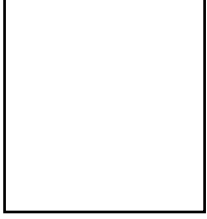

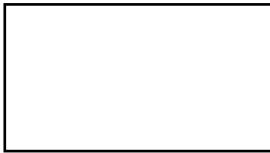


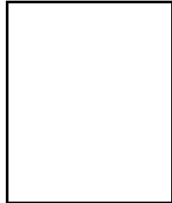



Perimeter = 16 cm

Perimeter =  $2 \times (\text{Length} + \text{Width})$   
 $16 \text{ cm} = 2 \times (5 \text{ cm} + \text{width})$   
 $\frac{16}{2} = 5 \text{ cm} + \text{width}$   
 $8 = 5 \text{ cm} + \text{width}$   
 $\text{width} = 8 - 5 = \mathbf{3 \text{ cm}}$

Area = Length x Width  
 $= 5 \text{ cm} \times 3 \text{ cm}$   
 $= \mathbf{15 \text{ cm}^2}$

Find the area of each rectangle using the given perimeter.

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|--|--|--|
| <p>1)</p>  <p>Perimeter = 38 cm<br/>         Width = _____<br/>         Area = _____</p>    | <p>2)</p>  <p>Perimeter = 16 yd<br/>         Length = _____<br/>         Area = _____</p>   | <p>3)</p>  <p>Perimeter = 26 ft<br/>         Width = _____<br/>         Area = _____</p>    |
| <p>4)</p>  <p>Perimeter = 30 in<br/>         Length = _____<br/>         Area = _____</p> | <p>5)</p>  <p>Perimeter = 20 m<br/>         Width = _____<br/>         Area = _____</p>   | <p>6)</p>  <p>Perimeter = 34 yd<br/>         Length = _____<br/>         Area = _____</p> |
| <p>7)</p>  <p>Perimeter = 30 mm<br/>         Width = _____<br/>         Area = _____</p>  | <p>8)</p>  <p>Perimeter = 42 ft<br/>         Length = _____<br/>         Area = _____</p> | <p>9)</p>  <p>Perimeter = 46 cm<br/>         Width = _____<br/>         Area = _____</p>  |