


Name: _____

Area of a Rectangle



To find the area of a rectangle, use the formula **length x width = area**. This formula is often written as **$l \times w = A$** .

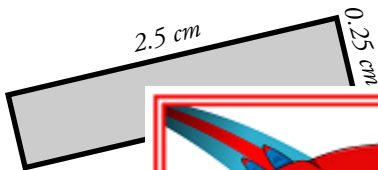
The rectangle pictured here has a length of 10 cm and a width of 8 cm.

$l = 10 \text{ cm}$
 $w = 8 \text{ cm}$
 $10 \text{ cm} \times 8 \text{ cm} = 80 \text{ cm}^2$

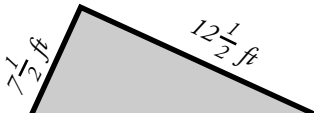
Note that the area's unit is written as cm^2 . This is said as "square centimeters" or "centimeters squared".

Find the area of each rectangle.

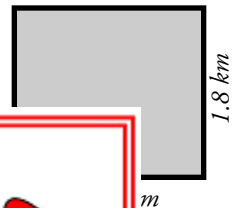
a.



b.



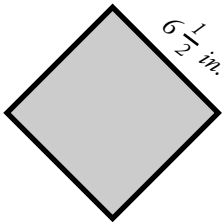
c.



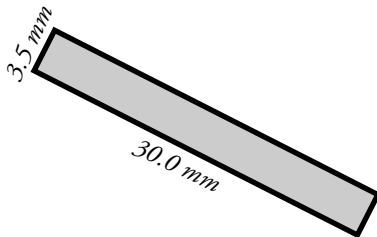
PREVIEW

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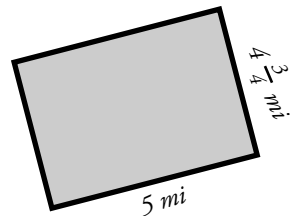
d.



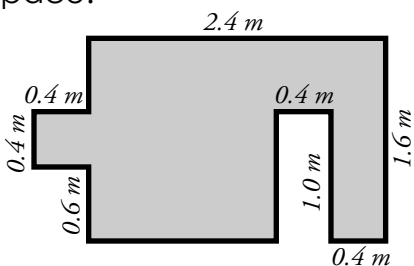
e.



f.

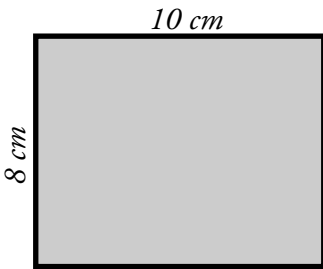


Challenge: Find the area of the polygon. All corners are 90° . Use the back if you need work space.



ANSWER KEY

Area of a Rectangle



To find the area of a rectangle, use the formula **length x width = area**. This formula is often written as **$l \times w = A$** .

The rectangle pictured here has a length of 10 cm and a width of 8 cm.

$$l = 10 \text{ cm}$$

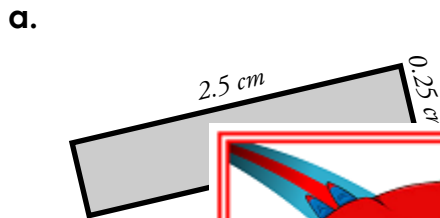
$$w = 8 \text{ cm}$$

$$10 \text{ cm} \times 8 \text{ cm} = 80 \text{ cm}^2$$

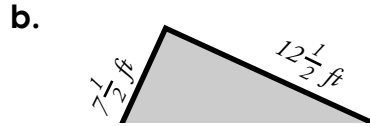
Note that the area's unit is written as cm^2 .

This is said as "square centimeters" or "centimeters squared".

Find the area of each rectangle.



$$0.625 \text{ cm}^2$$

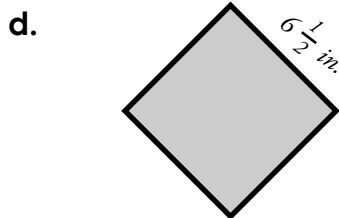


PREVIEW

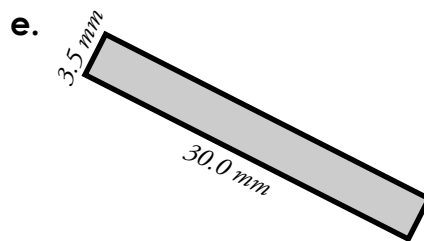
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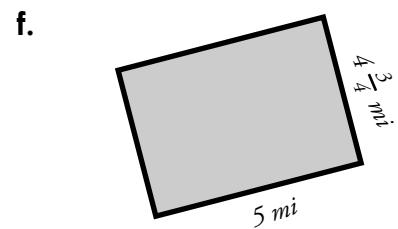
$$3.24 \text{ km}^2$$



$$42 \frac{1}{4} \text{ in.}^2$$

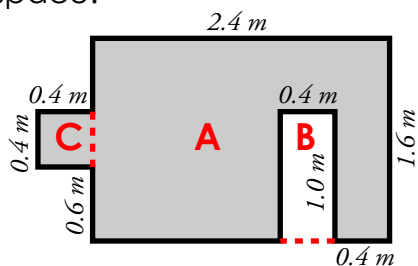


$$105 \text{ mm}^2$$



$$23 \frac{3}{4} \text{ mi}^2$$

Challenge: Find the area of the polygon. All corners are 90° . Use the back if you need work space.



$$\text{area of A} = 2.4 \times 1.6 = 3.84 \text{ m}^2$$

$$\text{area of B} = 1.0 \times 0.4 = 0.40 \text{ m}^2$$

$$3.44 \text{ m}^2$$

$$\text{area of C} = 0.4 \times 0.4 = 0.16 \text{ m}^2$$

$$3.60 \text{ m}^2$$