


Name: _____

Area of a Rectangle



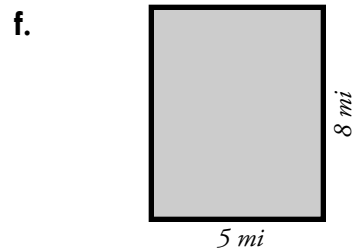
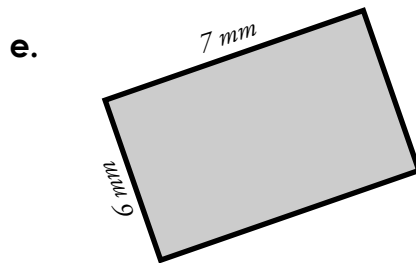
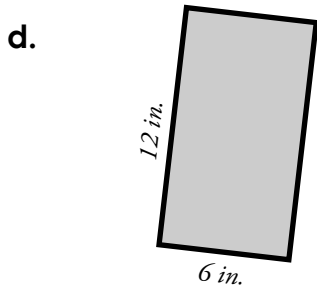
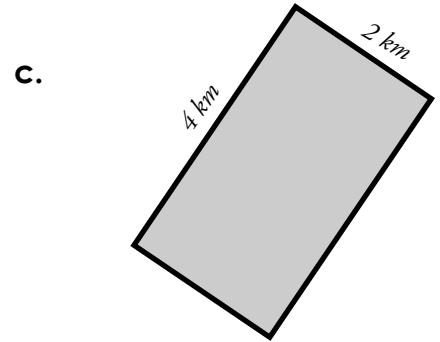
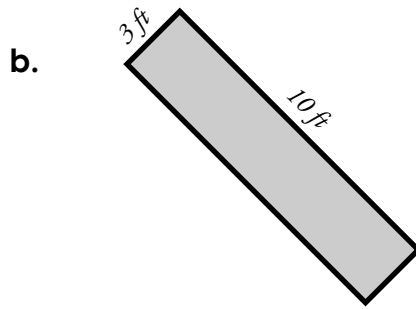
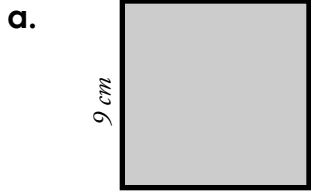
To find the area of a rectangle, use the formula **length x width = area**. This formula is often written as **$l \times w = A$** .

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

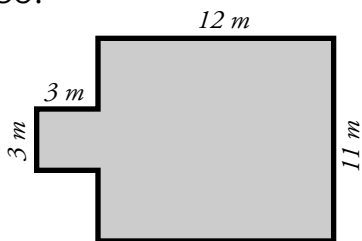
$l = 10 \text{ cm}$
 $w = 8 \text{ cm}$
 $10 \text{ cm} \times 8 \text{ cm} = 80 \text{ cm}^2$

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.

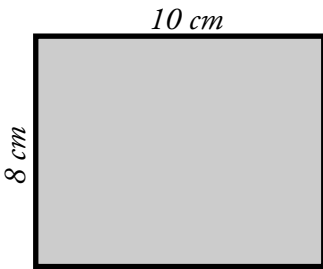


Challenge: Find the area of the polygon. All corners are 90° . Use the back if you need work space.



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.

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

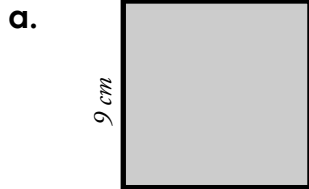
$$w = 8 \text{ cm}$$

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

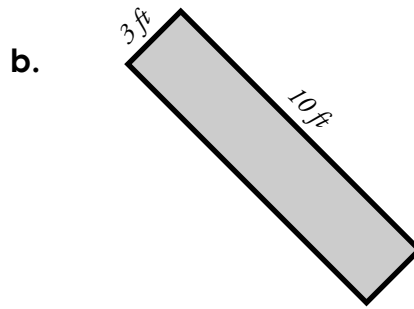
Note that the area's unit is written as cm^2 .

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

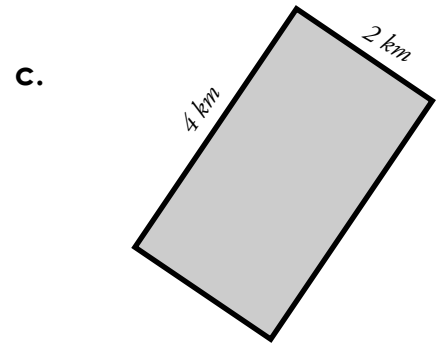
Find the area of each rectangle.



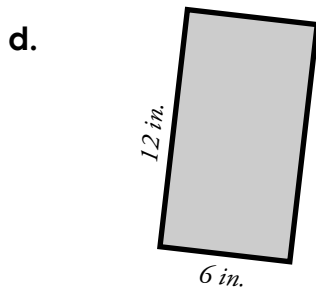
$$81 \text{ cm}^2$$



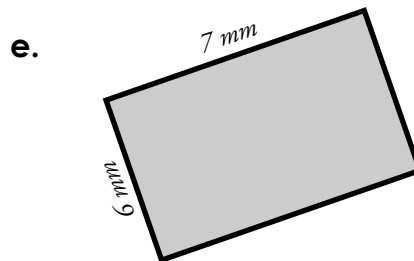
$$30 \text{ ft}^2$$



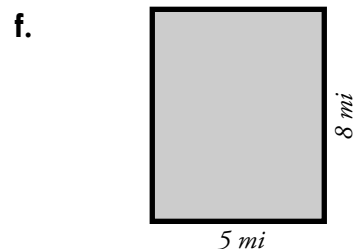
$$8 \text{ km}^2$$



$$72 \text{ in.}^2$$

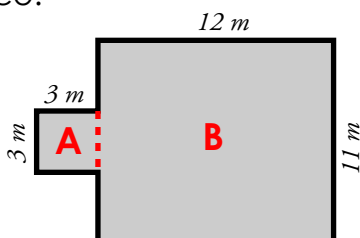


$$42 \text{ mm}^2$$



$$40 \text{ mi}^2$$

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



$$\text{area of A} = 3 \times 3 = 9 \text{ m}^2$$

$$\text{area of B} = 12 \times 11 = \underline{+132 \text{ m}^2}$$

$$\underline{141 \text{ m}^2}$$