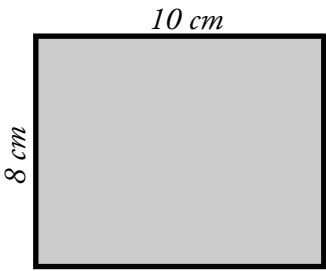


Name: _____

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.

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

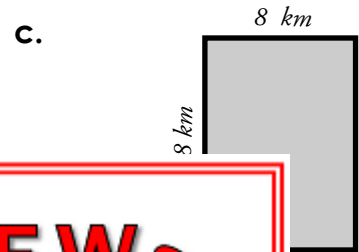
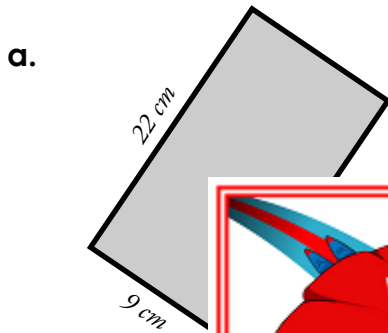
$$w = 8 \text{ cm}$$

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

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

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

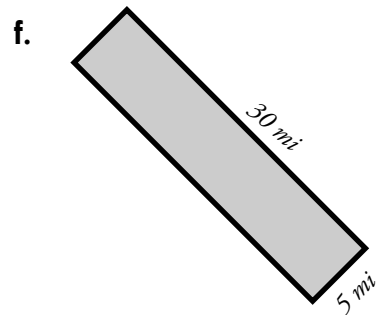
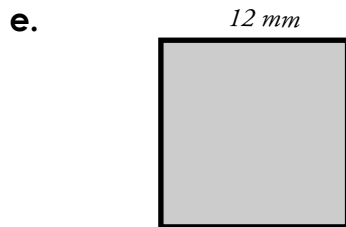
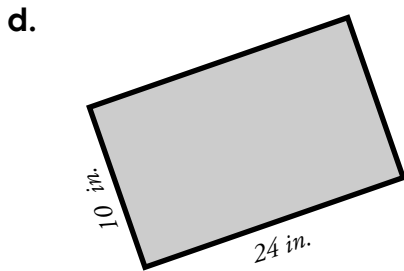
Find the area of each rectangle.



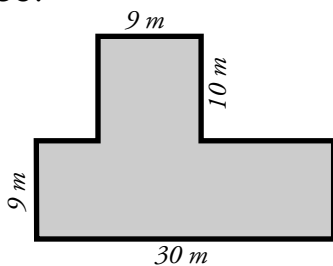


PREVIEW

Please log in or register to download the printable version of this worksheet.

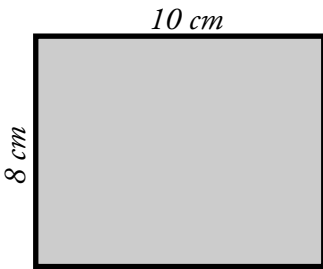


Challenge: Find the area of the polygon. All corners are 90° . Use the back if you need work space.



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.

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

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

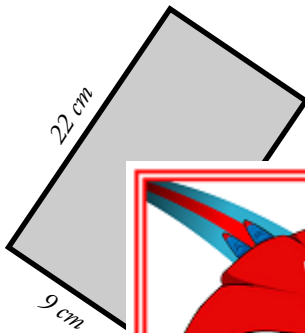
$$10 \text{ cm} \times 8 \text{ cm} = 80 \text{ cm}^2$$

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

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

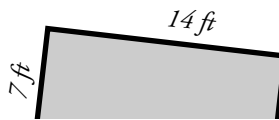
Find the area of each rectangle.

a.

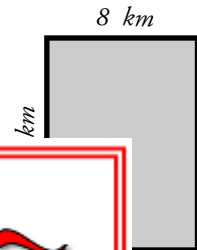


198

b.



c.



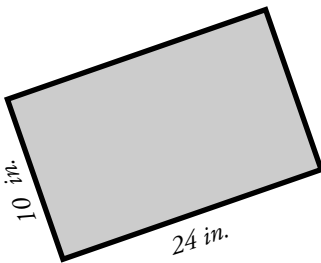
1²



PREVIEW

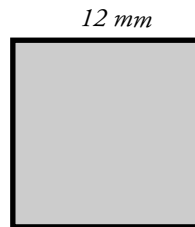
Please log in or register to download the printable version of this worksheet.

d.



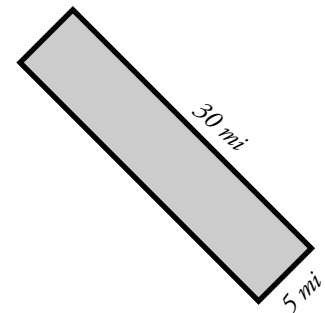
240 in.²

e.



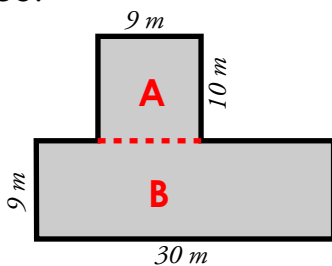
144 mm²

f.



150 mi²

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



$$\text{area of A} = 9 \times 10 = 90 \text{ m}^2$$

$$\text{area of B} = 9 \times 30 = +270 \text{ m}^2$$

$$360 \text{ m}^2$$