

Name: _____

Area of Rectangles & Triangles

Area of a Triangle

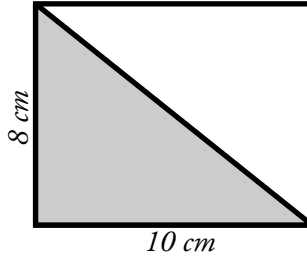
$$\frac{1}{2} \times (b \times h) = A$$

To find the area of a triangle, multiply $\frac{1}{2} \times$ **base** \times **height**.

Area of a Rectangle

$$l \times w = A$$

To find the area of a rectangle, multiply **length** \times **width**.



Area of the shaded triangle:

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

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

$$\frac{1}{2} \times 10 \text{ cm} \times 8 \text{ cm} = 40 \text{ cm}^2$$

Area of the rectangle:

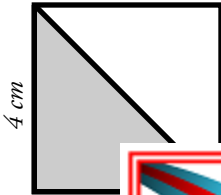
$$l = 10 \text{ cm}$$

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

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

Find the area of each rectangle and shaded triangle.

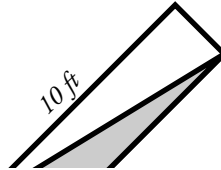
a.



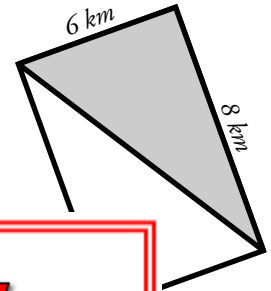
area of the square = _____

area of the triangle = _____

b.



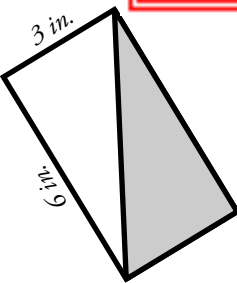
c.



area of the parallelogram = _____

area of the triangle = _____

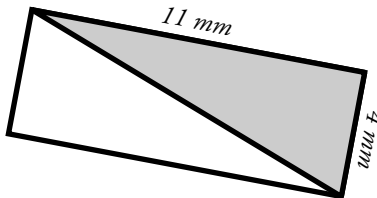
d.



area of the rectangle = _____

area of the triangle = _____

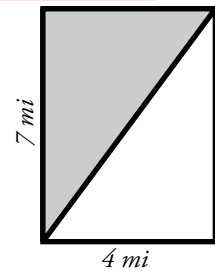
e.



area of the rectangle = _____

area of the triangle = _____

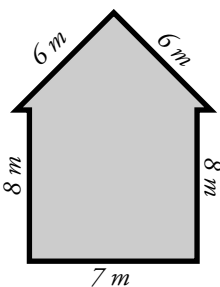
f.



area of the rectangle = _____

area of the triangle = _____

Challenge: Find the area of the polygon. Use the back if you need work space.



PREVIEW

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

ANSWER KEY

Area of Rectangles & Triangles

Area of a Triangle

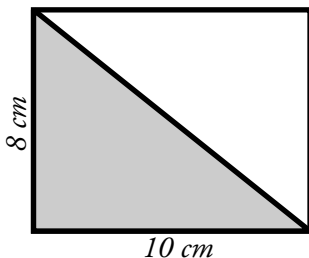
$$\frac{1}{2} \times (b \times h) = A$$

To find the area of a triangle, multiply $\frac{1}{2} \times$ **base** \times **height**.

Area of a Rectangle

$$l \times w = A$$

To find the area of a rectangle, multiply **length** \times **width**.



Area of the shaded triangle:

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

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

$$\frac{1}{2} \times 10 \text{ cm} \times 8 \text{ cm} = 40 \text{ cm}^2$$

Area of the rectangle:

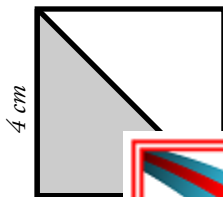
$$l = 10 \text{ cm}$$

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

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

Find the area of each rectangle and shaded triangle.

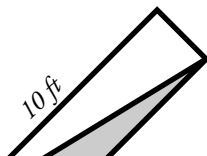
a.



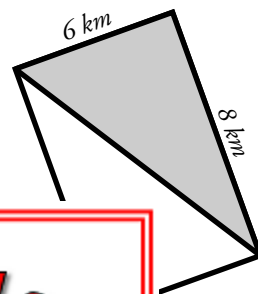
area of the square = 16 cm²

area of the triangle = 8 cm²

b.



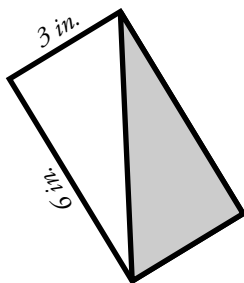
c.



$$= \underline{48 \text{ km}^2}$$

$$\underline{24 \text{ km}^2}$$

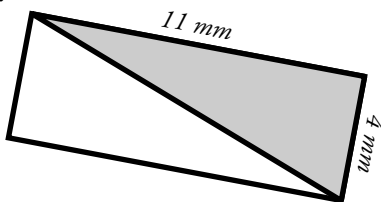
d.



$$\text{area of the rectangle} = \underline{18 \text{ in.}^2}$$

$$\text{area of the triangle} = \underline{9 \text{ in.}^2}$$

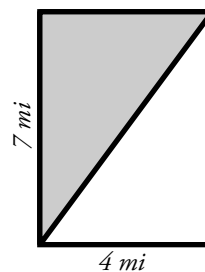
e.



$$\text{area of the rectangle} = \underline{44 \text{ mm}^2}$$

$$\text{area of the triangle} = \underline{22 \text{ mm}^2}$$

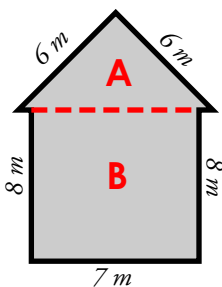
f.



$$\text{area of the rectangle} = \underline{28 \text{ mi}^2}$$

$$\text{area of the triangle} = \underline{14 \text{ mi}^2}$$

Challenge: Find the area of the polygon. Use the back if you need work space.



$$\text{area of } \triangle A = (6 \times 6) \times \frac{1}{2} = 18 \text{ m}^2$$

$$\text{area of } \square B = 8 \times 7 = \underline{+ 56 \text{ m}^2}$$

$$\underline{74 \text{ m}^2}$$