Name: _____

Area of Rectangles & Triangles

Area of a Triangle

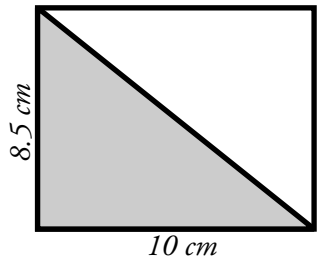
½ x (b x h) = A

To find the area of a triangle, multiply **½ x base x height**.

Area of a Rectangle

l x w = A

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

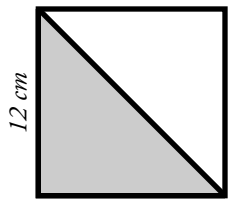


Area of the shaded triangle:
b = 10 cm
h = 8.5 cm
½ x 10 cm x 8.5 cm = 42.5 cm^2

Area of the rectangle:
l = 10 cm
w = 8.5 cm
10 cm x 8.5 cm = 85 cm^2

Find the area of each rectangle and shaded triangle.

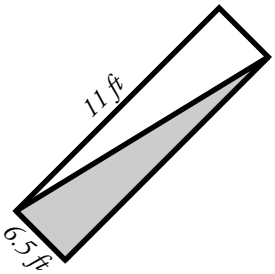
a.



area of the square = _____

area of the triangle = _____

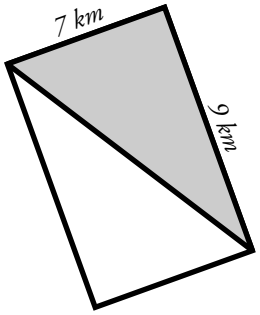
b.



area of the rectangle = _____

area of the triangle = _____

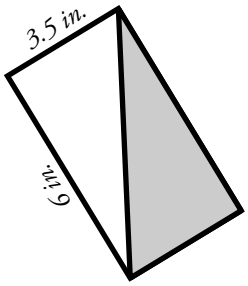
c.



area of the rectangle = _____

area of the triangle = _____

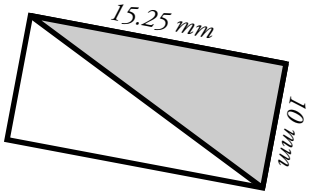
d.



area of the rectangle = _____

area of the triangle = _____

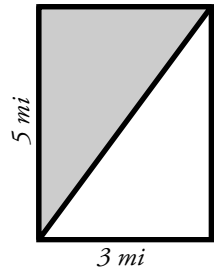
e.



area of the rectangle = _____

area of the triangle = _____

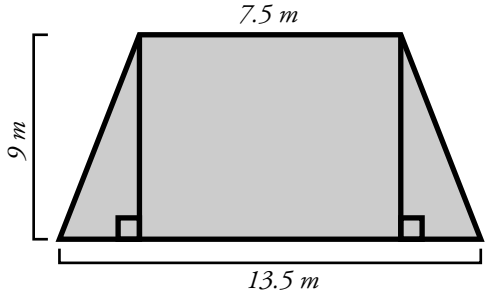
f.



area of the rectangle = _____

area of the triangle = _____

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



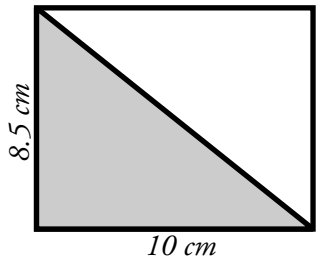
_____

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 **½ x base x height**.

Area of a Rectangle
$l \times w = A$
To find the area of a rectangle, multiply **length x width**.

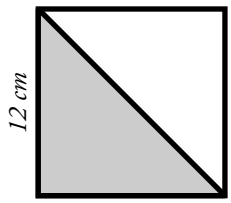


Area of the shaded triangle:
b = 10 cm
h = 8.5 cm
½ x 10 cm x 8.5 cm = 42.5 cm^2

Area of the rectangle:
l = 10 cm
w = 8.5 cm
10 cm x 8.5 cm = 85 cm^2

Find the area of each rectangle and shaded triangle.

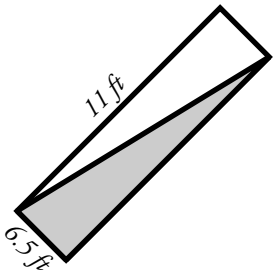
a.



area of the square = 144 cm^2

area of the triangle = 72 cm^2

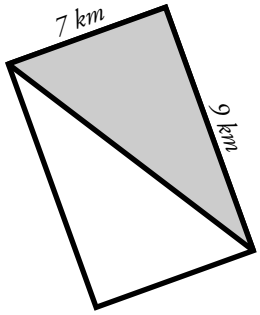
b.



area of the rectangle = 71.5 ft^2

area of the triangle = 35.75 ft^2

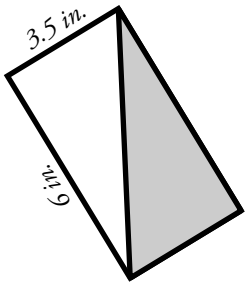
c.



area of the rectangle = 63 km^2

area of the triangle = 31.5 km^2

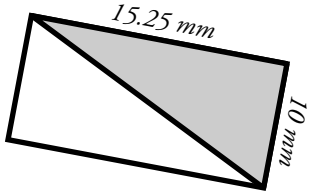
d.



area of the rectangle = 21 $in.^2$

area of the triangle = 10.5 $in.^2$

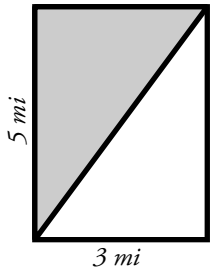
e.



area of the rectangle = 152.5 mm^2

area of the triangle = 76.25 mm^2

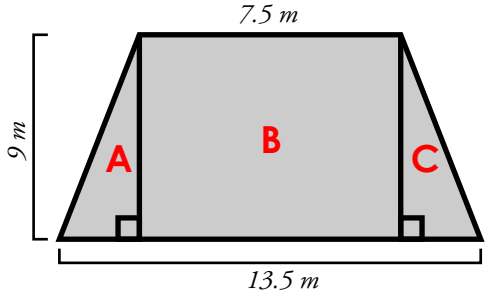
f.



area of the rectangle = 15 mi^2

area of the triangle = 7.5 mi^2

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



area of △A = (9 x 3) x ½ = 13.5 m^2
area of □B = 9 x 7.5 = 67.5 m^2
area of △C = (9 x 3) x ½ = + 13.5 m^2
94.5 m^2