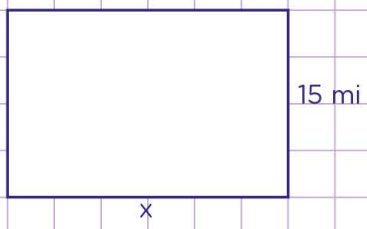
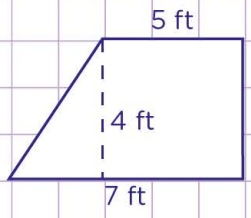
Name: ..... Class: .....

Area of quadrilaterals.

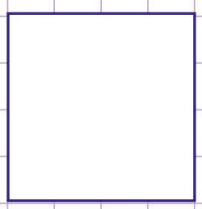
1. Find the missing lenght if the area of rectangle is 150 square miles.



2. Find the area of the trapezoid.



3. Find the area of this square.



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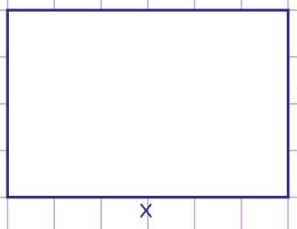
Solution

Name: ..... Class: .....

Area of quadrilaterals.

1. Find the missing lenght if the area of reactangle is 150 square miles.

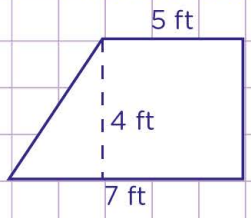


Area of rectangle = width x height.
Width = x
Height = 15 mi
Area = 150 mi^2

Substitude these numbers in the formula.
150 mi^2 = (x)mi x 15 mi.
Divide both sides by 15 mi.
x = 150 /15
x = 10 mi

So, x = 10 miles.

2. Find the area of the trapezoid.



Area of trapezoid = $\frac{1}{2}$ x (total length of bases) x height.

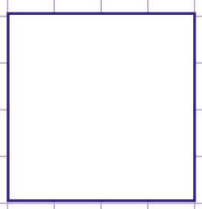
Length of bases = 5ft and 7ft.
Height = 4ft
Area = x
Substitude these numbers in the formula.
$x = \frac{1}{2} \times (5 + 7) \times 4$

$x = \frac{1}{2}$ (12 x 4)

x = 48/2
= 24 ft

So, x = 24 ft.

3. Find the area of this square.



Area of square = side x side.
Side = 25 cm
Area = 25 m x 25 m
Area = 625 square meters

So, the area = 625 square meters.

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