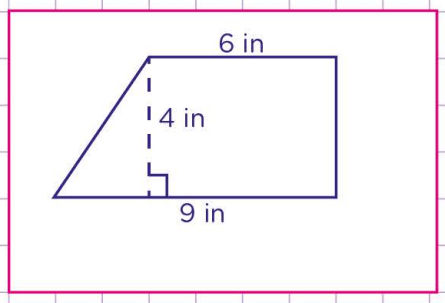
Name: ..... Class: .....

Area of parallelograms and trapezoids.

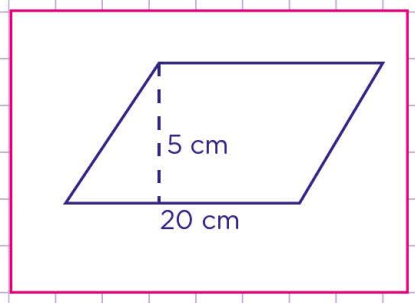
Area of parallelogram = Base x Height.

Area of trapezoid = $\frac{1}{2}$ (a + b) x height.

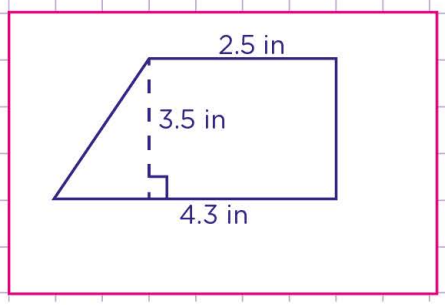
1. Find the area of the trapezoid.



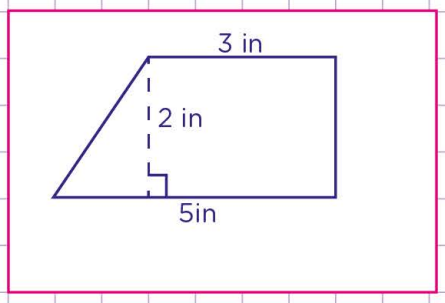
2. Find the area of the parallelogram.



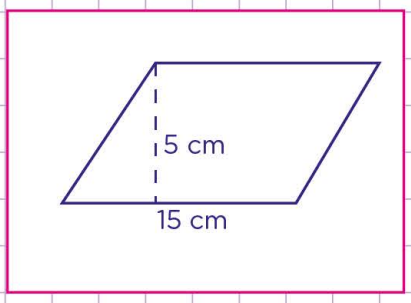
3. Find the area of the trapezoid.



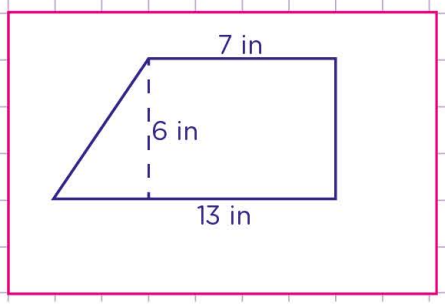
4. Find the area of the trapezoid.



5. Find the area of the parallelogram.



6. Find the area of the trapezoid.



Solution

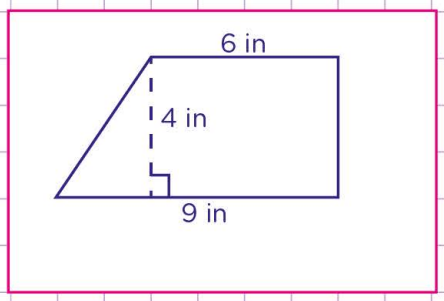
Name: ..... Class: .....

Area of parallelograms and trapezoids.

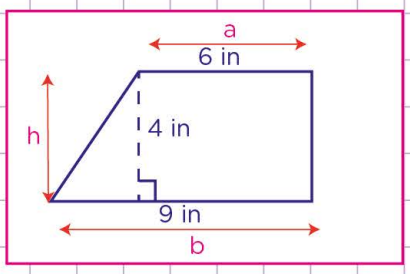
Area of parallelogram = Base x Height.

Area of trapezoid = $\frac{1}{2}$ (a + b) x height.

1. Find the area of the trapezoid.



Following the formular of trapezoid above, we first of all find a, b, and height (h) of the trapezoid;



a = 6 in
b = 9 in
h = 4 in

Secondly, we substitude these numbers in the formula.

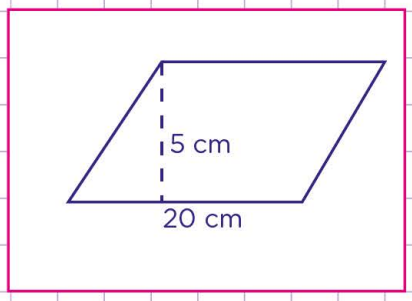
$\frac{1}{2}$ ((6 in + 9 in) x 4 in)

$\frac{1}{2}$ (15 in x 4 in)

$\frac{60}{2}$ = 30 square inches

The area is 30 square inches.

2. Find the area of the parallelogram.



Area of parallelogram = Base x Height.
Base = 20 cm
Height = 5 cm
Substitude these numbers in the formula.
Area of parallelogram = 20 cm x 5 cm
= 100 square centimeters

Therefore, the area is 100 square centimeters.