perimeter of various quadrilate	
- · · · · · · · · · · · · · · · · · · ·	rals
(including parallelograms, trape	zoids
rhombi, and kites).	

Area - the number of square units needed to cover a surface (always inside the figure)

Perimeter - the sum of the lengths of the sides of a polygon (the outside of the figure)

Area Formulas:

Parallelogram

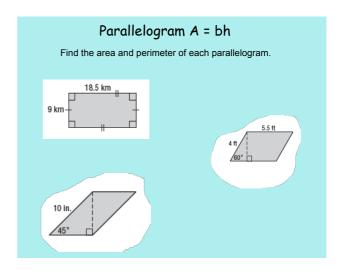
Square A = bhRectangle

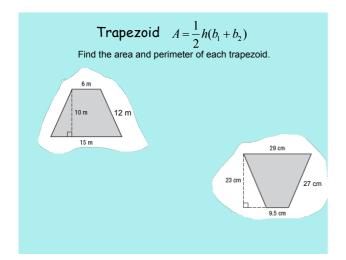
Trapezoid $A = \frac{1}{2}h(b_1 + b_2)$

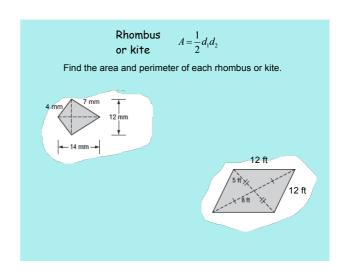
Rhombus $A = \frac{1}{2}d_1d_2$

Perimeter:

Add up all the sides (not imaginary height lines)







Try these with a partner

1. Find the area .



A trapezoid has base lengths of 19.5 and 24.5 centimeters with an area of 154 cm². What is the height of the trapezoid?