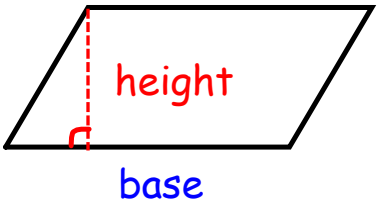
5-19-17

Aim: SWBAT find the area of 2-D shapes.

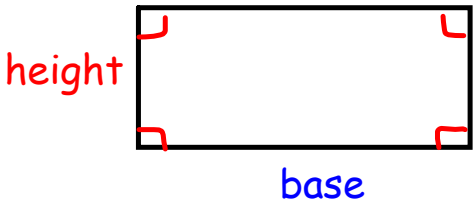
Do Now: We're taking notes

HW: Pg. 34 - 35 # 3 - 13 odd, 21 - 22
Pg. 145 # 3 - 11 odd
Pg. 523 - 524 # 4 - 6, 15 - 17, 29, 31
Test Wednesday (Angle relationships, Triangles and Quadrilaterals)
Final Review Packet due June 2

Parallelogram

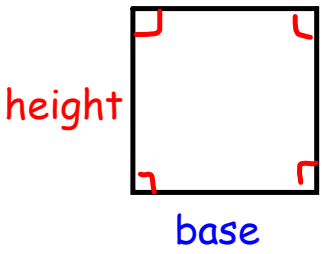


Rectangle

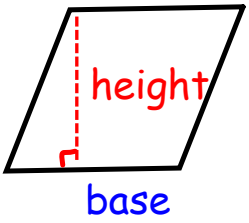


All these shapes are parallelograms!

Square



Rhombus

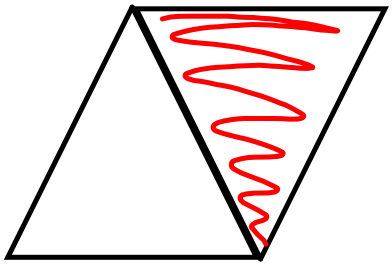


Perimeter = the sum of the side lengths. (fence)

AND

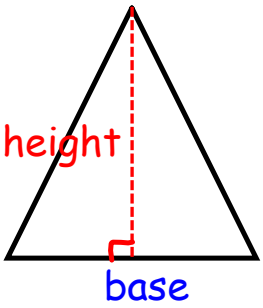
Area = the product of the base and height. grassy area

$$A=bh$$



$A = \frac{bh}{2}$

Triangle

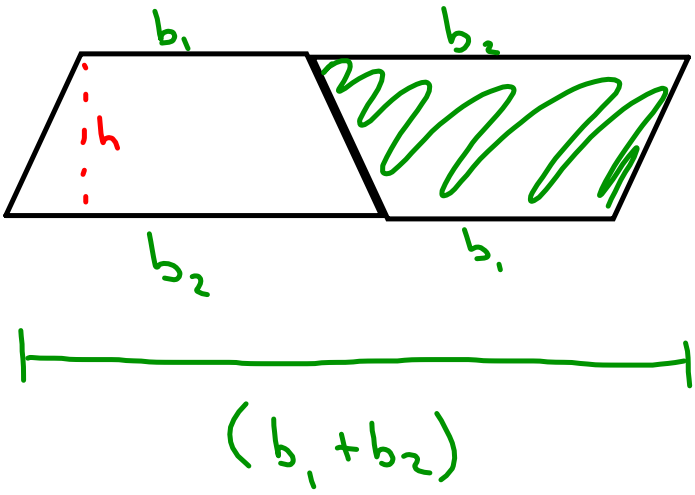


Perimeter = the sum of the side lengths.

AND

Area = the product of the base and height divided by 2.

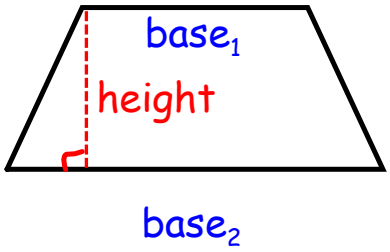
$$A = \frac{bh}{2} \quad \text{OR} \quad A = \frac{1}{2}bh$$



$A = bh$

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

Trapezoid



Perimeter = the sum of the side lengths.

AND

Area = the product of sum of the bases and the height divided by 2.

$$A = \frac{(b_1+b_2)h}{2} \quad \text{OR} \quad A = \frac{1}{2}(b_1+b_2)h$$

Formula Use

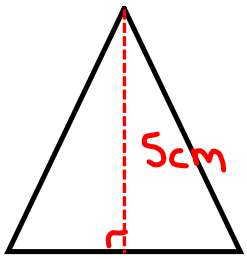
1. Write the formula.

2. Substitute the values into their assigned spots.

3. Use the Order of Operations or Equation solving skills to find the value.

4. Area units get squared. cm^2 $in.^2$

Find the area.



$A = \frac{bh}{2}$

$A = \frac{10 \cdot 5}{2}$

$A = \frac{50}{2}$

$A = 25\ cm^2$

A triangle has an area of 35 cm^2 and a base of 7 cm. Find its height.

$A = \frac{bh}{2}$

$2 \cdot 35 = \frac{7h}{2} \cdot 2$

$\frac{70}{7} = \frac{7h}{7}$

$10_{cm} = h$