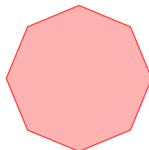
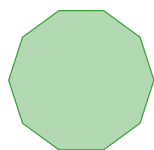
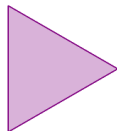
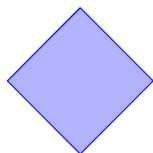


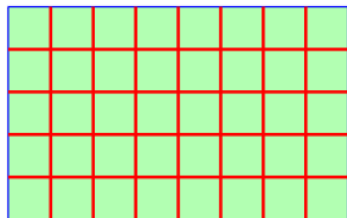
Area and Perimeter of Parallelograms

Warmup

1. Classify Each polygon by the number of sides.



3. Calculate the Area and Perimeter of the rectangle



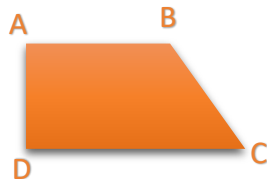
8 ft.

5 ft.

Area: _____

Perimeter : _____

2. Use trapezoid ABCD to answer the following questions.



Two sides that are
parallel: _____
perpendicular: _____

4. Simplify

$$2x + 5x + 8 + 3x + 7 =$$

I. What is a Parallelogram?

Homeschool



Honor Roll

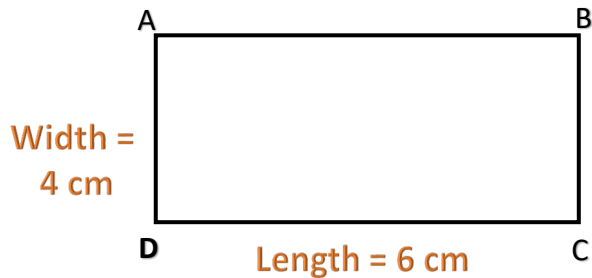
Learn ~ Persevere ~ Succeed

Pre-Algebra and Geometry I

Wendy Harper

www.HsHonorRoll.com

I. What is a Parallelogram?



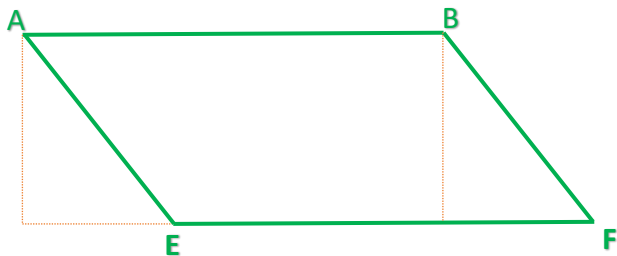
Calculate the **area** of the rectangle

Calculate the **perimeter** of the rectangle

Glue or draw the parallelogram here

Parallelogram: A _____ sided polygon with opposites sides
_____ and _____.





Determine if each shape is a parallelogram.

Identifying properties of a polygon using symbols:

To show congruent sides use tick marks.

$$\overline{AB} \cong \overline{EF} \text{ and } \overline{AE} \cong \overline{BF}$$

To show parallel sides, use arrows.

$$\overline{AB} \parallel \overline{EF} \text{ and } \overline{AE} \parallel \overline{BF}$$



Parallelogram

Not a parallelogram



Parallelogram

Not a parallelogram

6.



Parallelogram

Not a parallelogram

7.

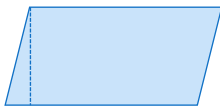


Parallelogram

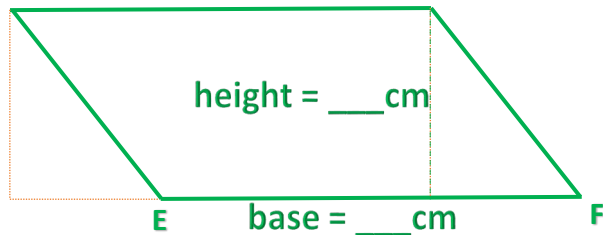
Not a parallelogram

II. Area of a Parallelogram

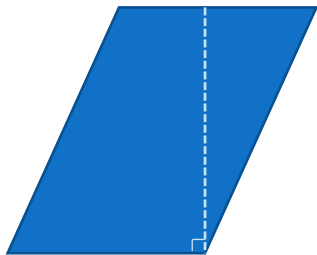
Area of a Parallelogram: The base and the height of a parallelogram form a _____ angle.



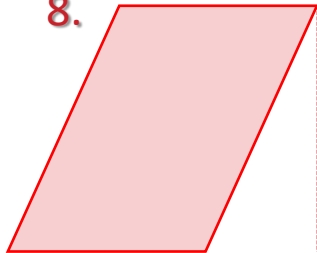
$$\text{Area} = \text{base} \times \text{height}$$



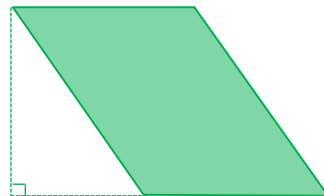
Label the base and height of each parallelogram



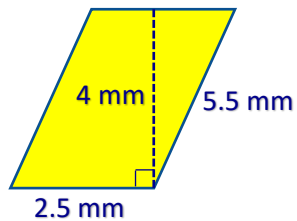
8.



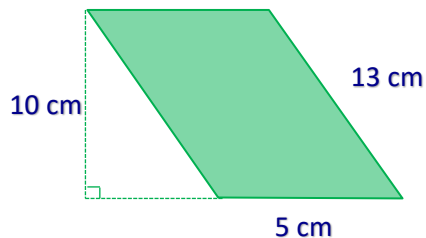
9.



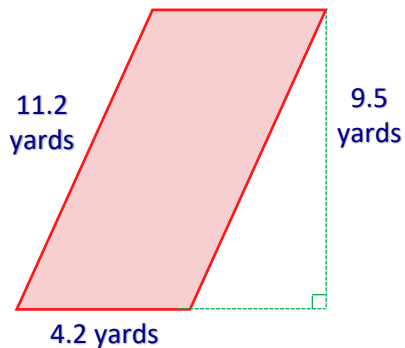
Find the Area of the parallelogram



Find the Area of the parallelogram

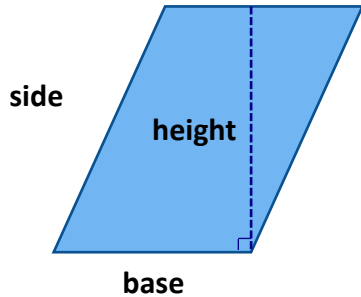


10. Find the Area of the parallelogram



11. Find the Area of the parallelogram (Practice this question as many times as necessary to become confident you can find the area of a parallelogram)

II. Perimeter of a Parallelogram



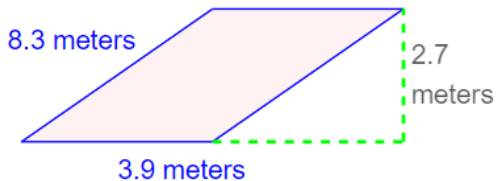
Perimeter: The perimeter of a figure is the _____.

Perimeter can be measure by a _____.

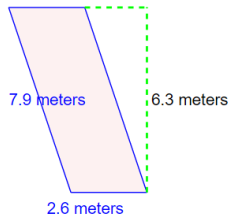
Some examples of units used for perimeter include _____.



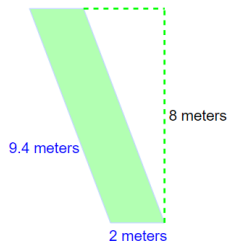
Find the Perimeter of the parallelogram



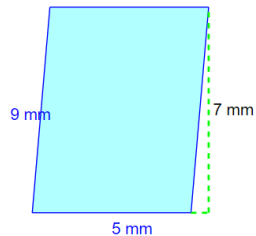
Find the Perimeter of the parallelogram



12. Find the Perimeter of the parallelogram



13. Find the Perimeter of the parallelogram



[illegible]