Name _____

3rd Grade ESL Math Remote Learning Packet

Week 34

Dear Educator,

My signature is proof that I have reviewed my scholar's work and supported him to the best of my ability to complete all assignments.

_____ _____

(Parent Signature) (Date)

Parents please note that all academic packets are also available on our website at www.brighterchoice.org under the heading "Remote Learning." All academic packet assignments are mandatory and must be completed by all scholars.

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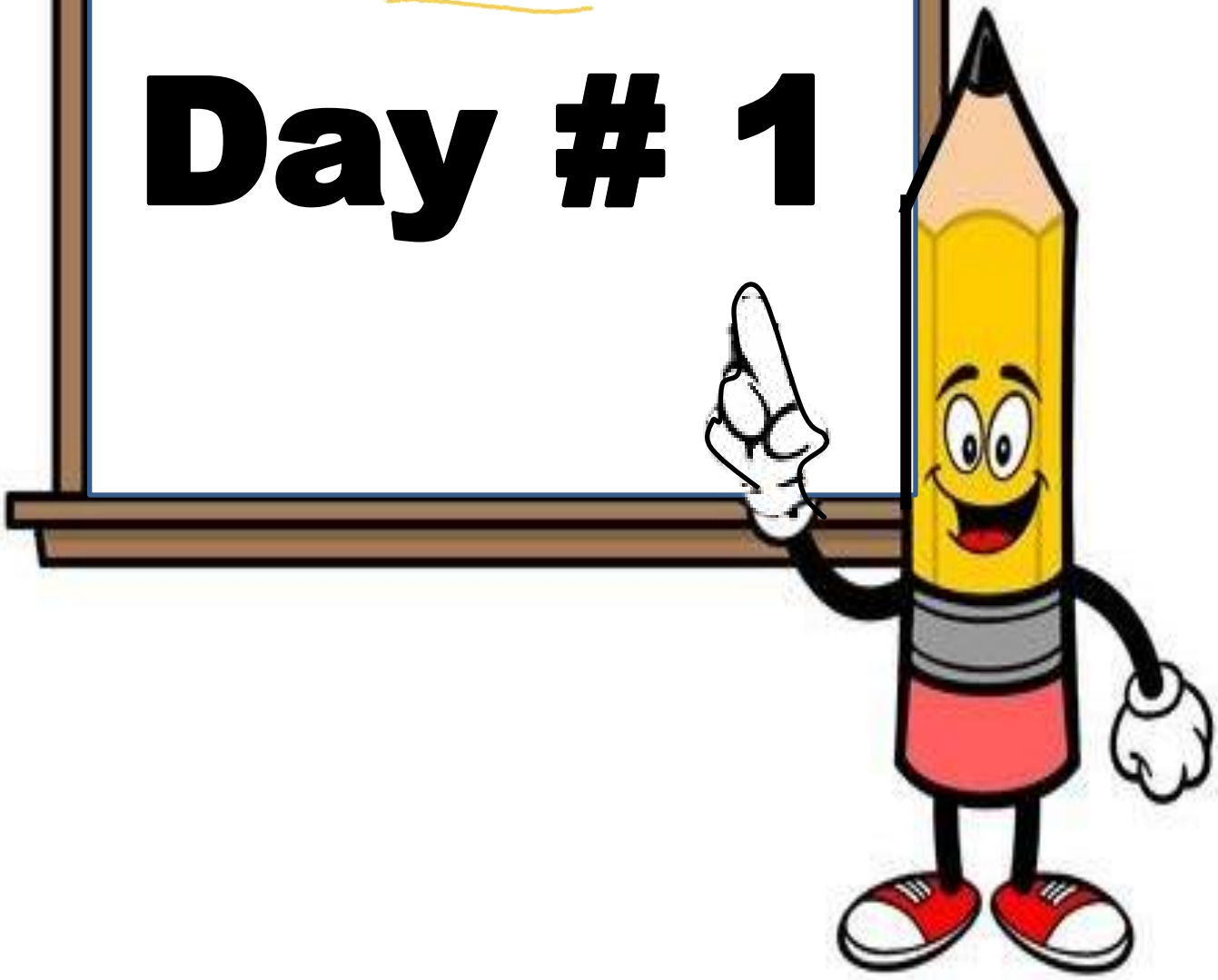
Day # 1



LEQ: What are attributes of polygons?

Objective: I can analyze a polygon and list its attributes.

Vocabulary:

- Polygon
- Right Angle
- Quadrilateral
- Trapezoid
- Parallel
- Parallelogram
- Rhombus

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Do Now:

Solids and Polygons

Write the name of each shape.

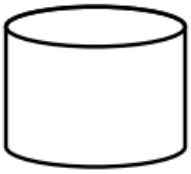
Word Bank

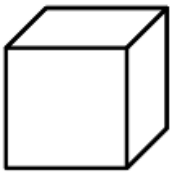
(You will not use all of the words)

Octa means 8 Penta means 5

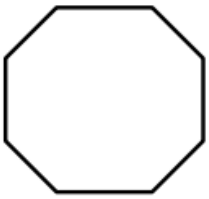
octagon	pentagon	hexagon	rectangle
parallelogram	triangle	square	trapezoid
cylinder	rectangular prism	cube	sphere

1.  _____

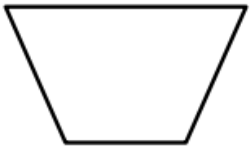
2.  _____

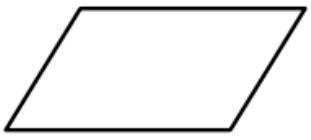
3.  cube

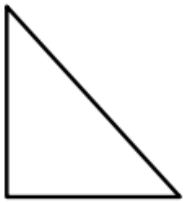
4.  _____

5.  octagon

6.  _____

7.  _____

8.  _____

9.  _____

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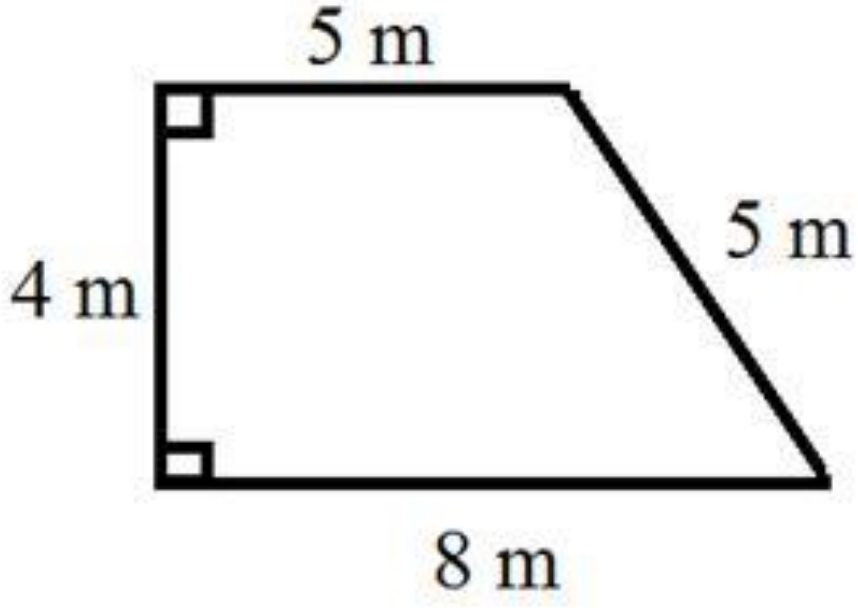
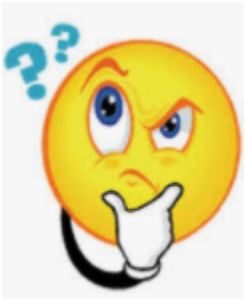
Exploration:



How many facts can I name about the shape above?



4 sides

One pair of parallel lines

Two right angles

Quadrilateral

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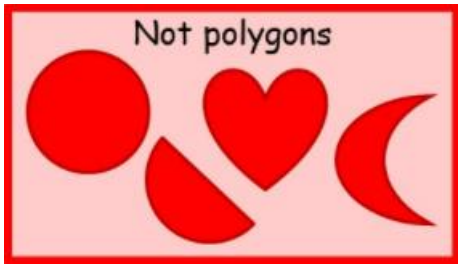
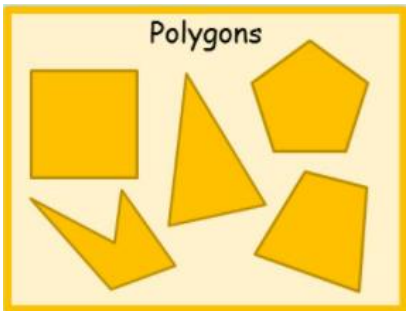
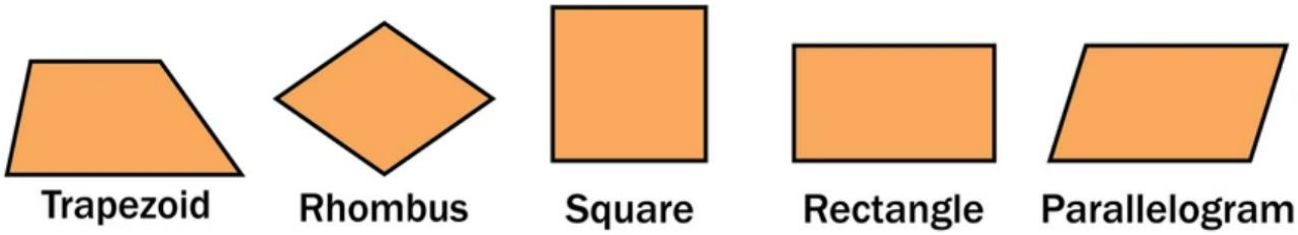
Guided Notes:

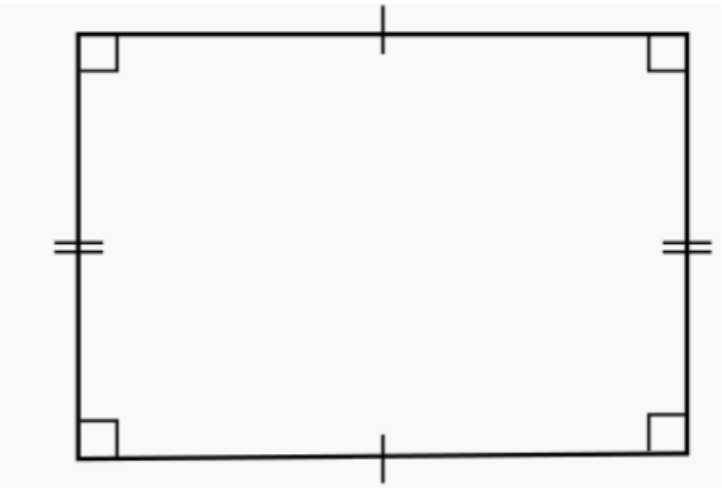




A _____ is a flat shape with straight and closed sides. Polygons with 4 sides are called _____. A trapezoid, rhombus, square, rectangle and _____ are all examples of quadrilaterals.



A parallelogram has 2 pairs of _____ lines, or lines that run side by side opposite to one another. Some polygons have _____ _____ , or angles that form an L shape with 2 straight lines.



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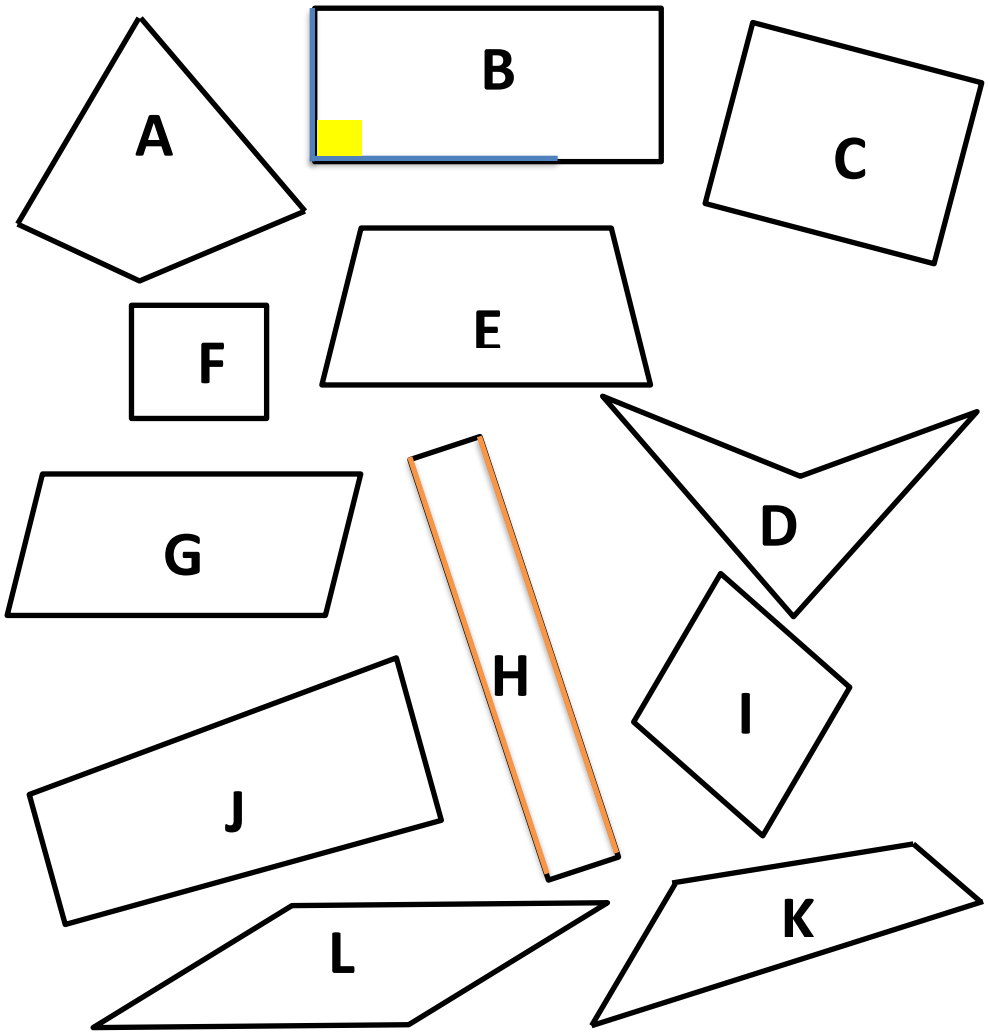
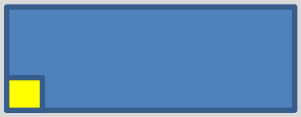
Input (My Turn):



Right Angle(s) 	Parallel Lines 
B, C, F, J, H,	

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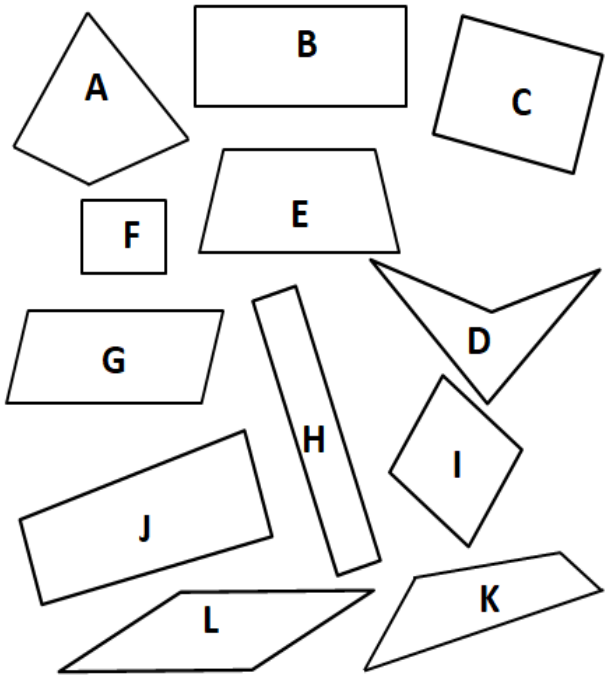
Guided Practice (Our Turn):

True or False? All the polygons below are quadrilaterals: _____



Attribute	Write the letters of the polygons in this group.	Sketch 1 polygon from the group.
2 Sets of Parallel Sides	Polygons: L	
4 Right Angles	Polygons: H	
4 Right Angles and 4 Equal Sides	Polygons:	

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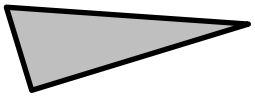
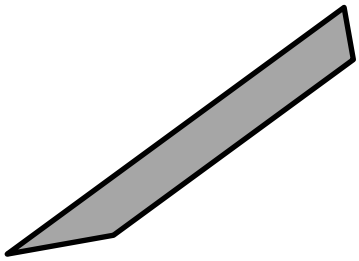
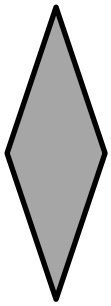
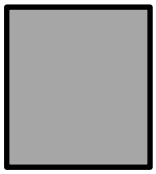
Problem Set (Your Turn):

Complete the chart by answering true or false.

Attribute	Polygon	True or False
Example: **3 Sides**		True
4 Sides		
2 Sets of Parallel Sides		
4 Right Angles		false
Quadrilateral		

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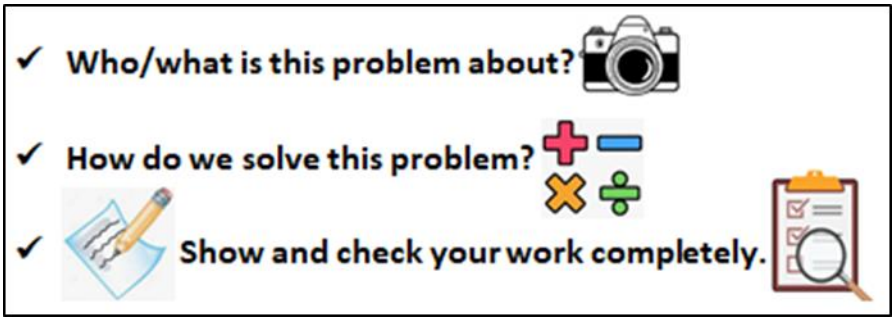
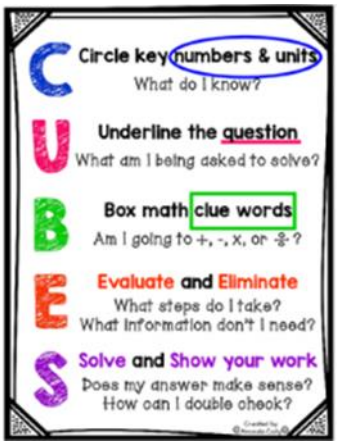
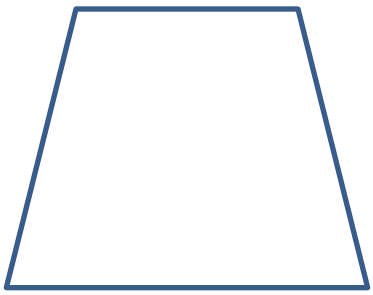




Application:

Jeremiah bets Prince that he can draw a trapezoid with 1 pair of parallel lines and 1 right angle. Prince says it's impossible because only square and rectangles can have right angles. Who is correct?

Use words and pictures to explain your thinking.



trapezoid

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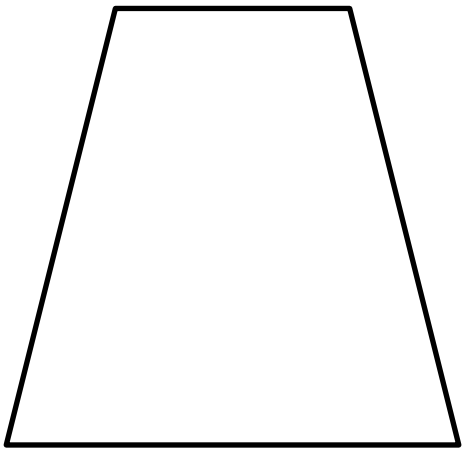
Exit Ticket:

Use the word bank below to list attributes to describe each polygon.

Polygon	Right Angle	Quadrilateral	Parallel
Trapezoid	Parallelogram	Rhombus	



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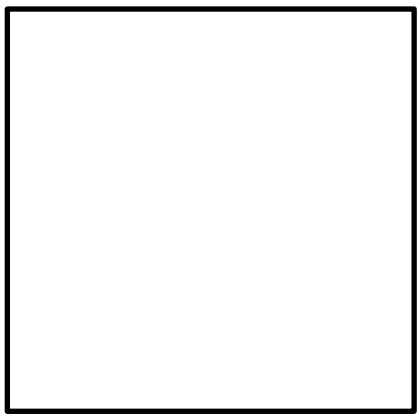

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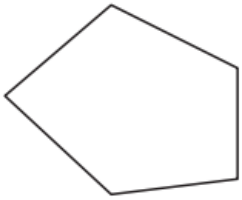
Homework:

Write whether each figure is a polygon or not a polygon.

1) 

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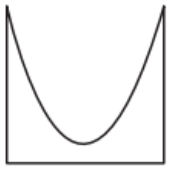
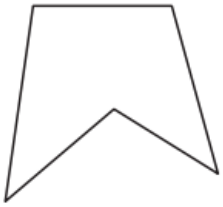
2) 

_____

3) 

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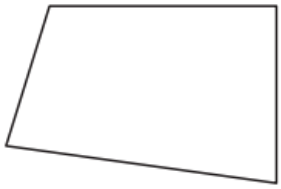
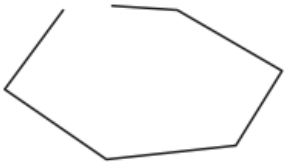
4) 

Yes

_____

5) 

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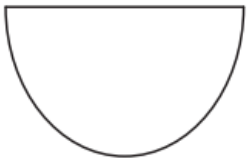
6) 

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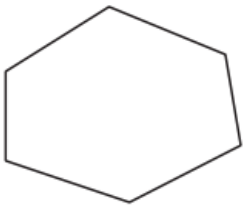
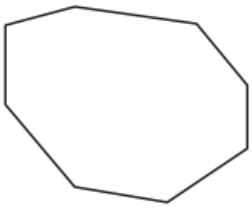
7) 

_____

8) 

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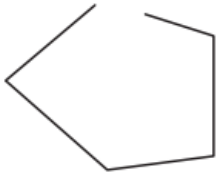
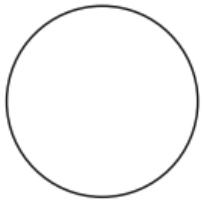
9) 

No

_____

10) 

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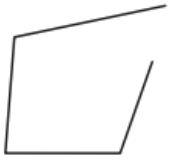
11) 

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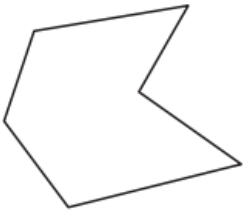
12) 

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Day # 2

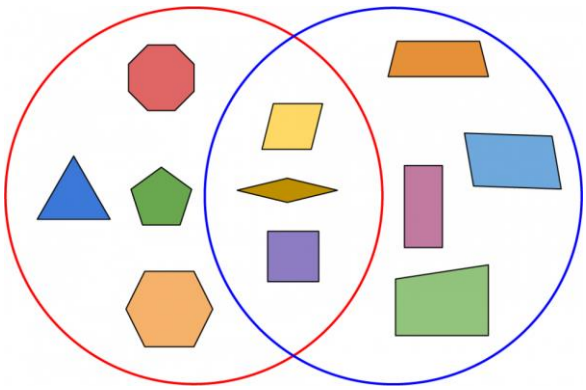
LEQ: How can I compare and classify polygons?

Objective: I can use shape attributes to compare and classify polygons.

Vocabulary:

- Regular Polygon
- Angle
- Classify

Classify means to arrange in groups by a similarity



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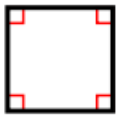
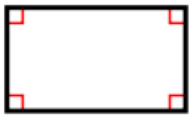
Do Now:

Quadrilaterals

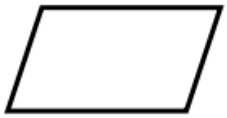
Quadrilaterals are any polygon with four sides and four angles.



Square
All sides are the same length; there are four right angles



Rectangle
Opposite sides are parallel and the same length; there are four right angles

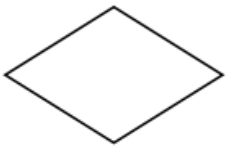


Parallelogram
Two pairs of opposite parallel sides

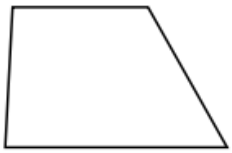
Rhombus
Two pairs of parallel sides; all sides are the same length

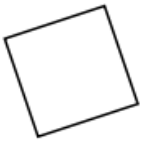
Trapezoid
Only one pair of parallel sides

Write the name of each quadrilateral.

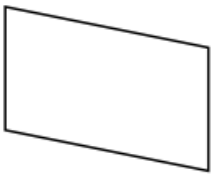
a. 

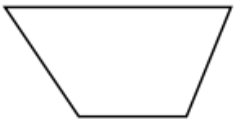
Rhombus

b. 

c. 

d. 

e. 

f. 

g. How can you tell the difference between a parallelogram and a trapezoid?

h. How can you tell the difference between a square and a rhombus?

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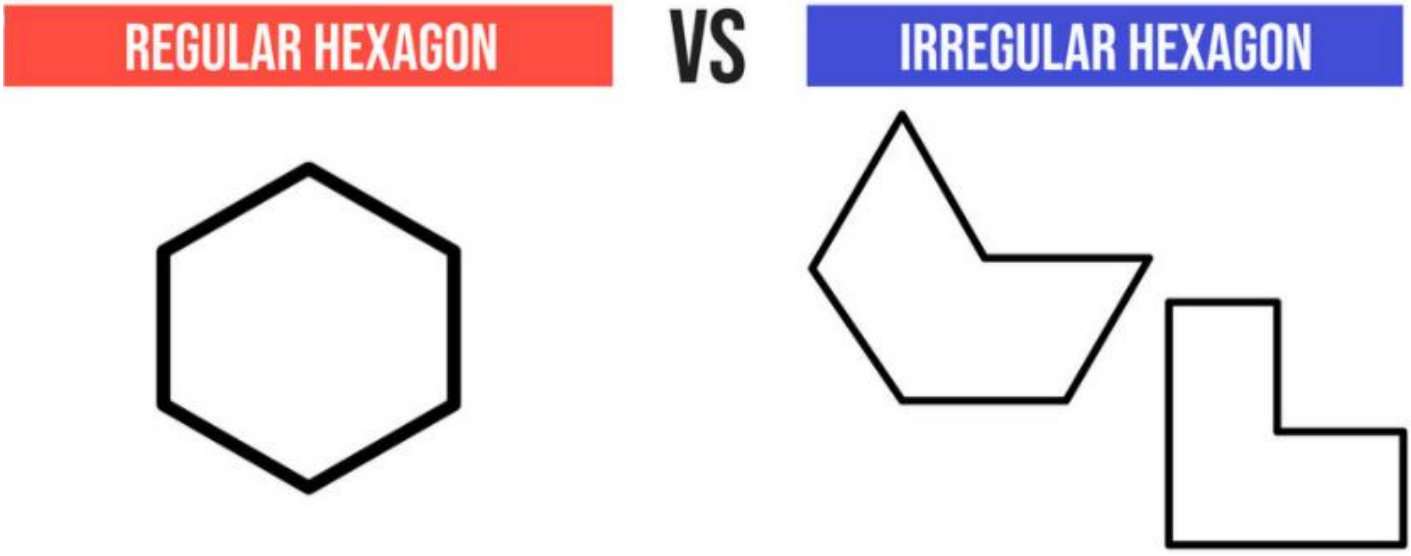
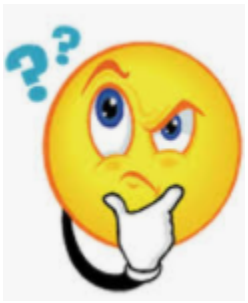
Exploration:



What is the difference between a regular hexagon and an irregular hexagon?



1. The sides of a REGULAR hexagon are all the same length

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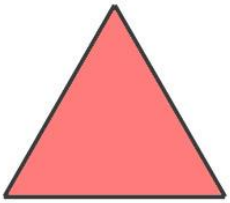
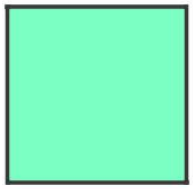
Input (My Turn):

A _____ polygon is a polygon with all equal sides and all equal angles.

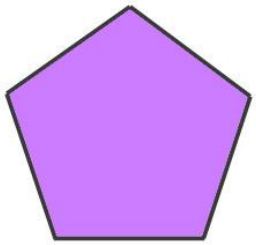
Let's label the sides for each polygon below:



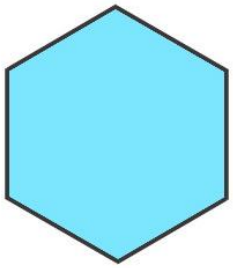
Triangle



Quadrilateral

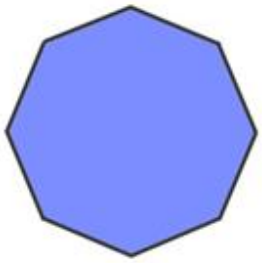


Pentagon

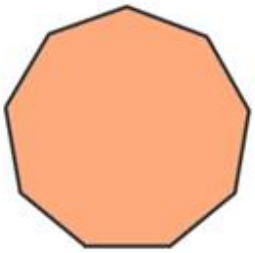


Hexagon

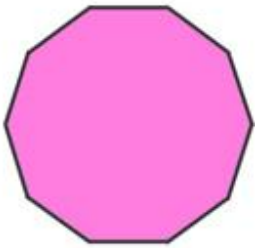
Heptagon



Octagon



Nonagon



Decagon

Name: _____ Week 34 Day 2 Date: _____

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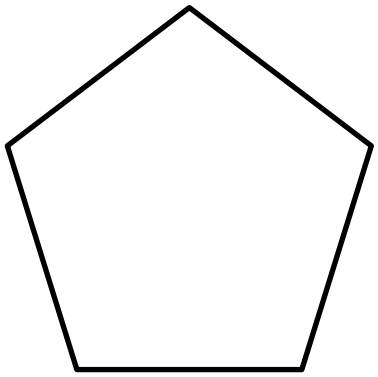
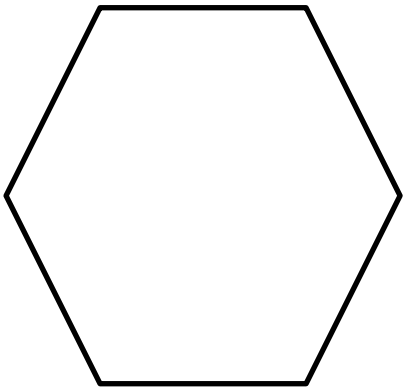
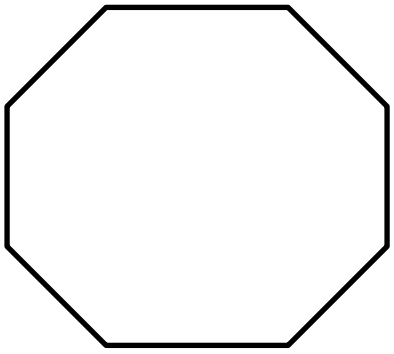
Guided Practice (Our Turn):

Polygon Name	Regular Polygon	Irregular Polygon
Pentagon		
Hexagon		
Octagon		

Name: _____ Week 34 Day 2 Date: _____

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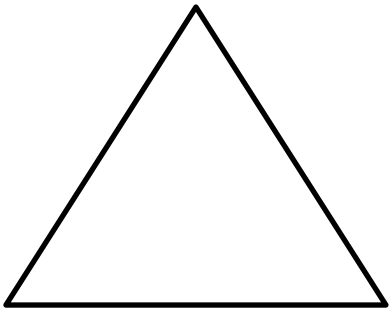
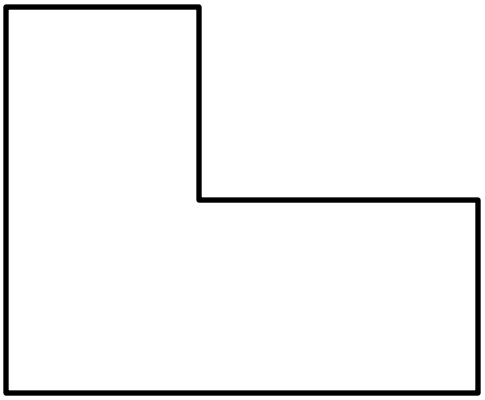
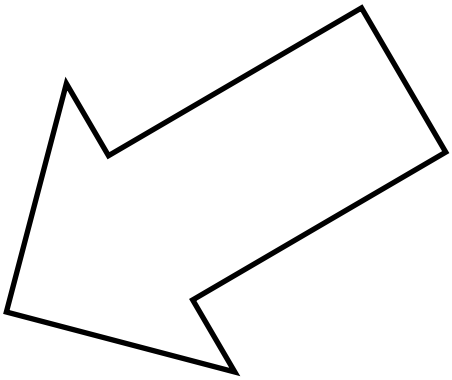
Problem Set (Your Turn):

Polygon Name	Regular Polygon	Irregular Polygon
_____		
_____		
_____		

Name: _____ Week 34 Day 2 Date: _____

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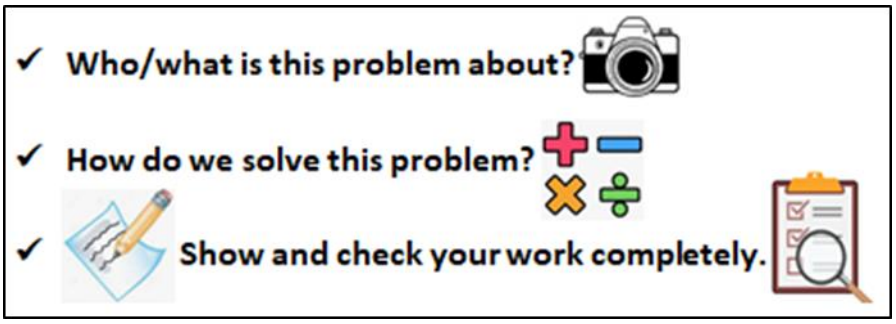
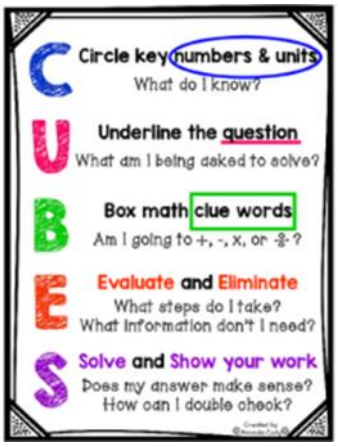
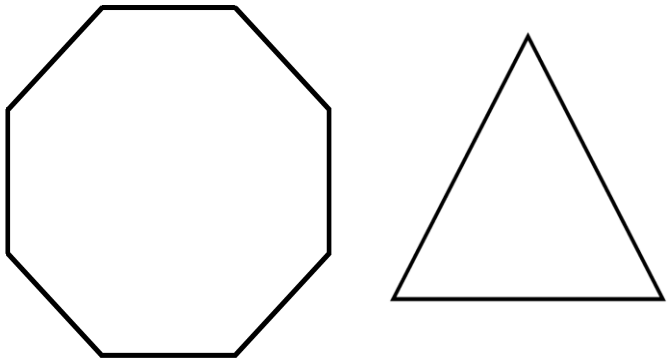




Application:

The two polygons below are regular polygons. How are these polygons the same? How are they different?



These polygons are the _____

_____

_____

_____

Name: _____ Week 34 Day 2 Date: _____

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Exit Ticket:

Josiah draws the polygon below.

1. Is Josiah's polygon a regular polygon? Explain how you know.

2. How many right angles does his polygon have? Circle the right angles on his polygon.

Josiah's polygon has _____ right angles

3. How many sets of parallel lines does his polygon have? Mark them.

Josiah's polygon has _____ sets of parallel lines

4. What is the name of Josiah's polygon?

Name: _____ Week 34 Day 2 Date: _____

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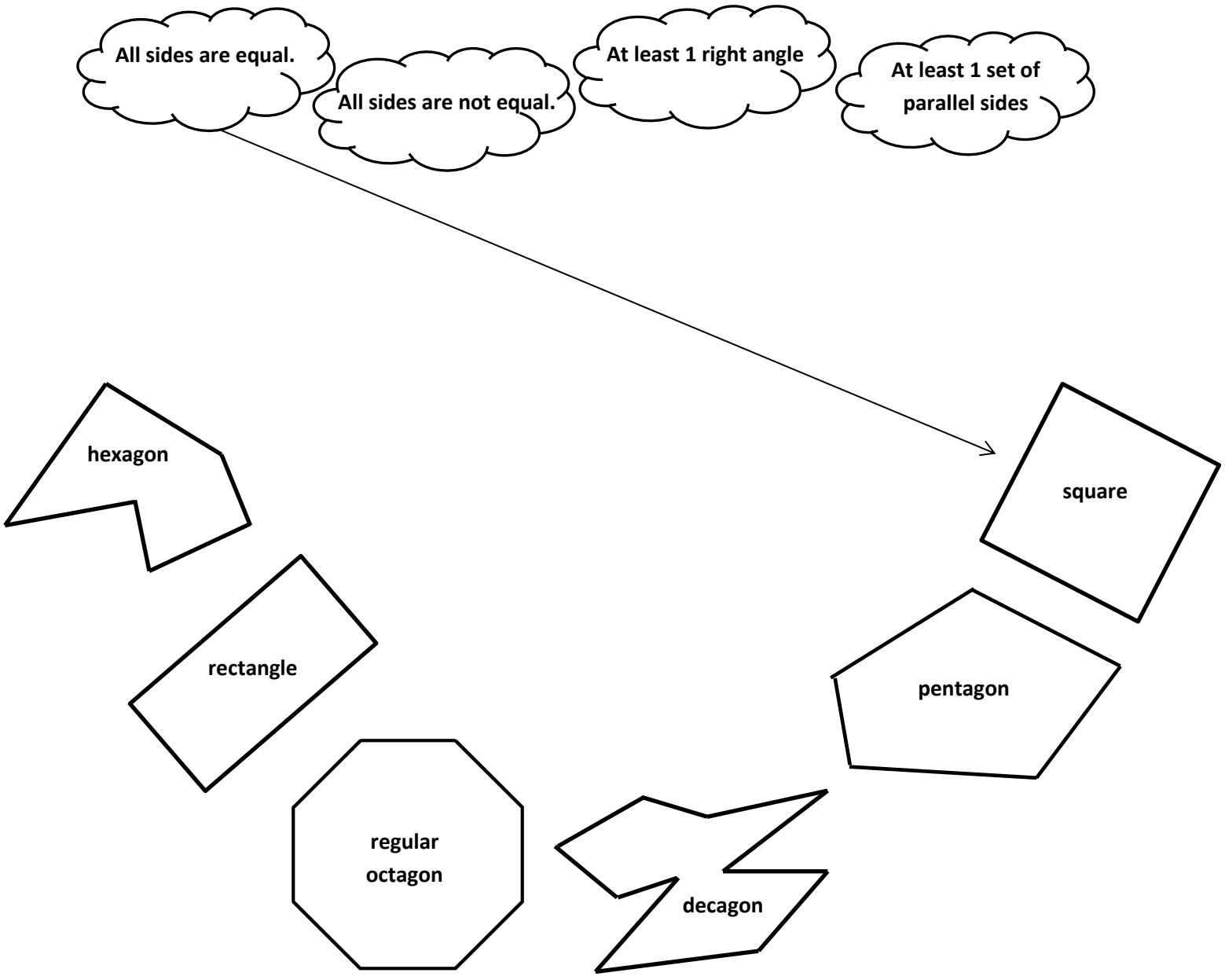
Homework:

Match the polygons with their appropriate clouds. *A polygon can match to more than 1 cloud.*



Brighter Choice
Charter School for Boys

Day # 3

LEQ: How can I solve word problems about polygons?

Objective: I can draw polygons with specified attributes to solve problems.

Vocabulary:

- Ruler
- Measurement
- Polygon
- Inches
- Quadrilateral
- Angle
- Parallel

Name: _____ Week 34 Day 3 Date: _____

BCCS-B Harvard Yale Princeton

Do Now:

Quadrilaterals

Match the quadrilateral with its definition.

b

_____ **1.** All sides are the same length. There are four right angles.

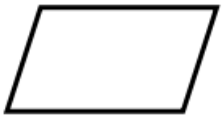
_____ **2.** There is only one pair of parallel sides.

_____ **3.** Opposite sides are parallel and the same length. There are four right angles.

_____ **4.** There are two pairs of parallel sides. All sides are the same length.

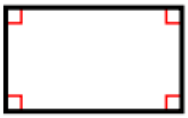
_____ **5.** There are two pairs of opposite parallel sides.

a.



Parallelogram

b.



Rectangle

c.

Trapezoid

d.

Rhombus

e.

Square

6. List two ways a rectangle and square are alike and one way in which they are different.

_____

_____

_____

_____

Name: _____ Week 34 Day 3 Date: _____

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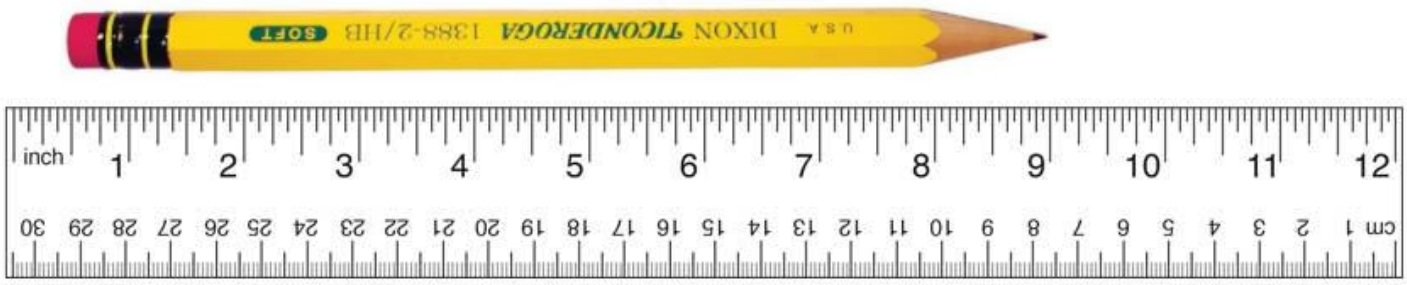
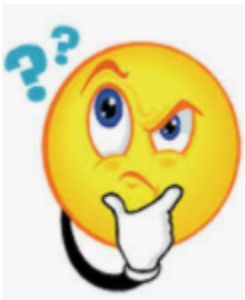
Exploration:



Ms. Sherman says the pencil above measures 9 inches.

Do I agree or disagree with Ms. Sherman?



Name: _____ Week 34 Day 3 Date: _____

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Input (My Turn):

1. Draw a quadrilateral with 4 equal sides measuring 3 inches each. Label all sides

2. Draw a triangle with 1 right angle and 2 sides measuring 2 inches each.

Name: _____ Week 34 Day 3 Date: _____

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Guided Practice (Our Turn):

3. Draw a quadrilateral with only 1 set of parallel sides, no right angles, and the longest side measuring 4 inches.

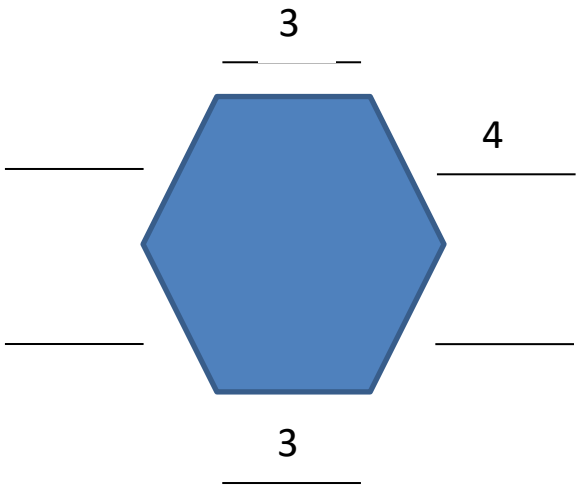
4. Zaymir says that he drew a polygon with 2 sides and 2 angles. Can Zaymir be correct? Use pictures to help you explain your answer.

Name: _____ Week 34 Day 3 Date: _____

BCCS-B Harvard Yale Princeton

Problem Set (Your Turn):

5. Draw a **hexagon** with 2 sides measuring 3 inches and 4 sides measuring 4 inches. Label all sides.



Name: _____ Week 34 Day 3 Date: _____

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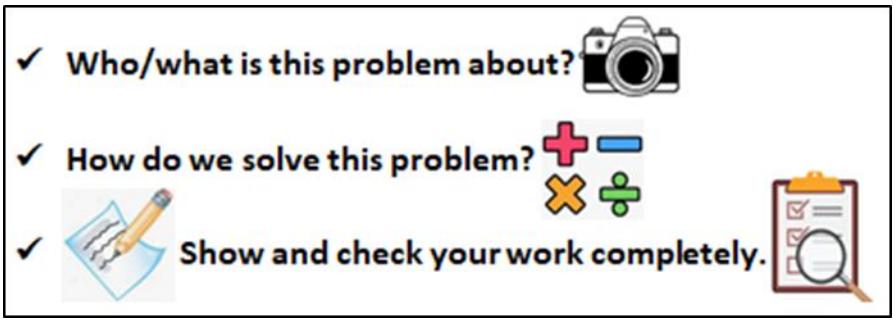
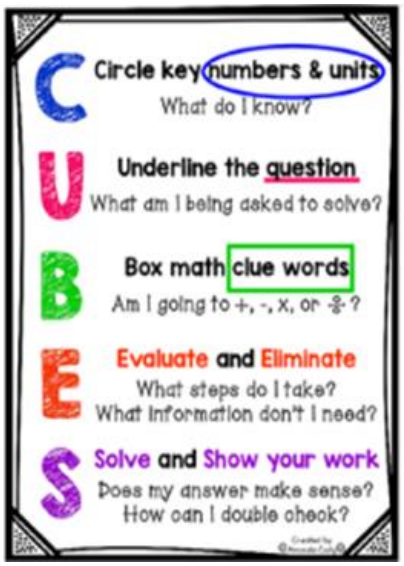




Application:

Mrs. Page describes her shape. She says it has 3 equal sides that are each 4 centimeters in length. It has no right angles. Do your best to draw Mrs. Page's shape, and label the side lengths.

Name: _____ Week 34 Day 3 Date: _____

BCCS-B Harvard Yale Princeton

Exit Ticket:

Use a ruler to help you draw a shape that matches the attributes of Cameron's shape. Label your drawing to explain your thinking. Cameron's shape has:

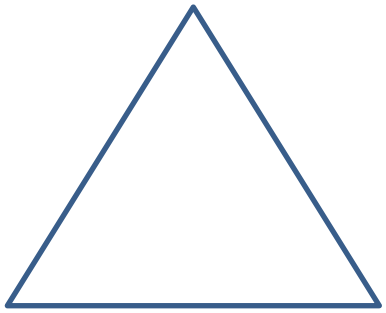
- 4 right angles
- 2 sets of parallel sides
- 2 sides measure 2 inches each
- 2 sides measure 5 inches each.

Name: _____ Week 34 Day 3 Date: _____

BCCS-B Harvard Yale Princeton

Homework:

1. Draw a triangle that has no right angles.



2. Draw two different quadrilaterals that have 4 right angles.

3. Draw a quadrilateral with only 1 paid of parallel lines.


Brighter Choice
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Day # 4

LEQ: How can I observe relationships between shapes?

Objective: I can decompose a square to create other shapes to observe the relationships between shapes.

Vocabulary:

- Diagonal
- Decompose
- Partition

Name: _____ Week 34 Day 4 Date: _____

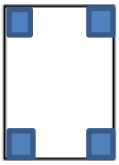
BCCS-B Harvard Yale Princeton

Do Now:

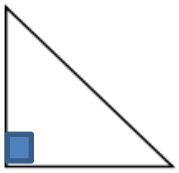
Polygons

polygon name: **parallelogram**
number of sides: **4**
pairs of parallel sides: **2**
number of right angles: **0**

Fill in the blanks for each polygon.



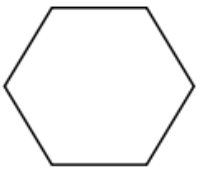
polygon name: rectangle
number of sides: _____
pairs of parallel sides: _____
number of right angles: _____



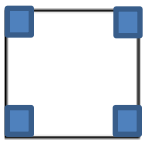
polygon name: _____
number of sides: _____
pairs of parallel sides: _____
number of right angles: _____

polygon name: _____
number of sides: _____
pairs of parallel sides: _____
number of right angles: _____

polygon name: _____
number of sides: _____
pairs of parallel sides: _____
number of right angles: _____



polygon name: _____
number of sides: _____
pairs of parallel sides: _____
number of right angles: _____

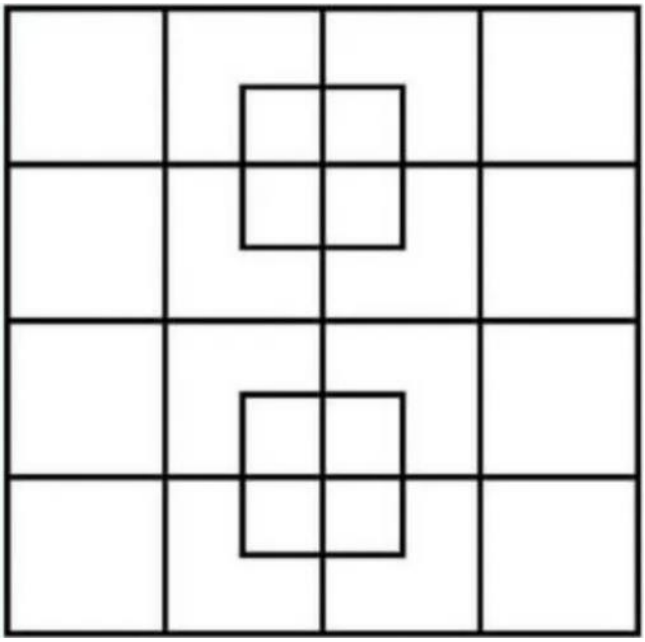


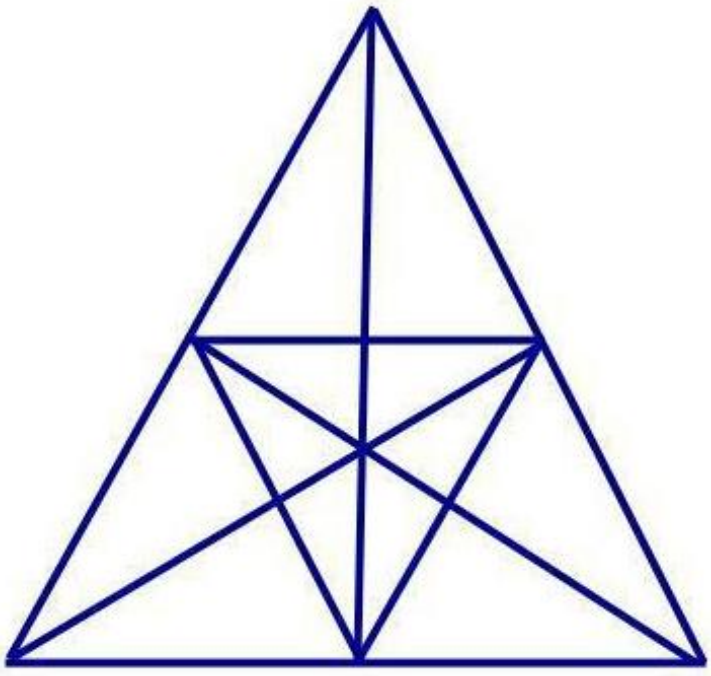
polygon name: _____
number of sides: _____
pairs of parallel sides: _____
number of right angles: _____

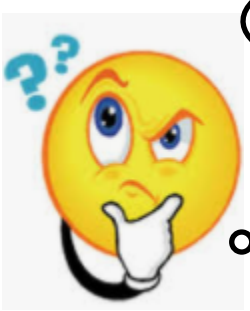
Name: _____ Week 34 Day 4 Date: _____

BCCS-B Harvard Yale Princeton

Exploration:







How many squares are on the left and how many triangles are on the right?

Name: _____ Week 34 Day 4 Date: _____

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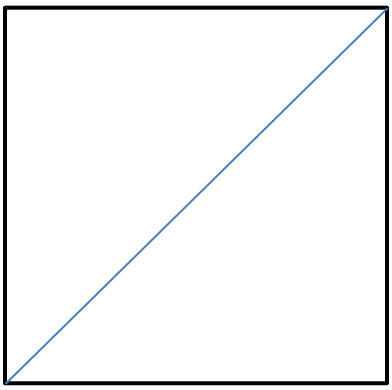
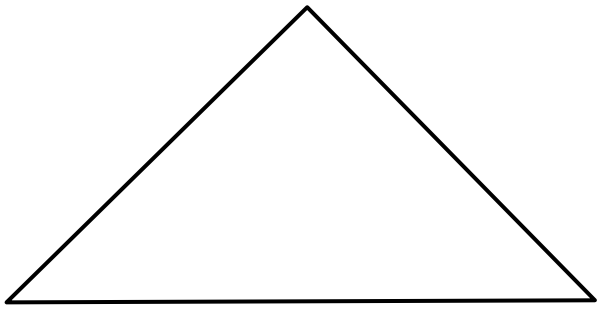
Input (My Turn):

1. Draw a line to divide the square below into 2 equal triangles. Draw and name the two shapes you created.



2. Draw a horizontal line across the middle of the triangle below. Draw and name the two shapes you created.



Name: _____ Week 34 Day 4 Date: _____

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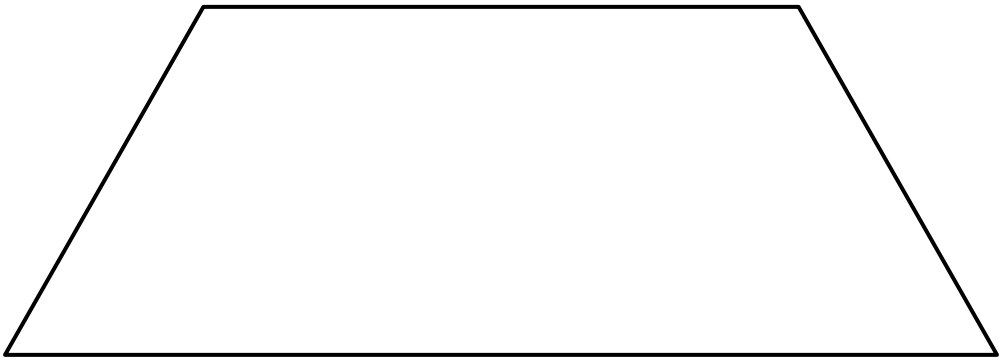
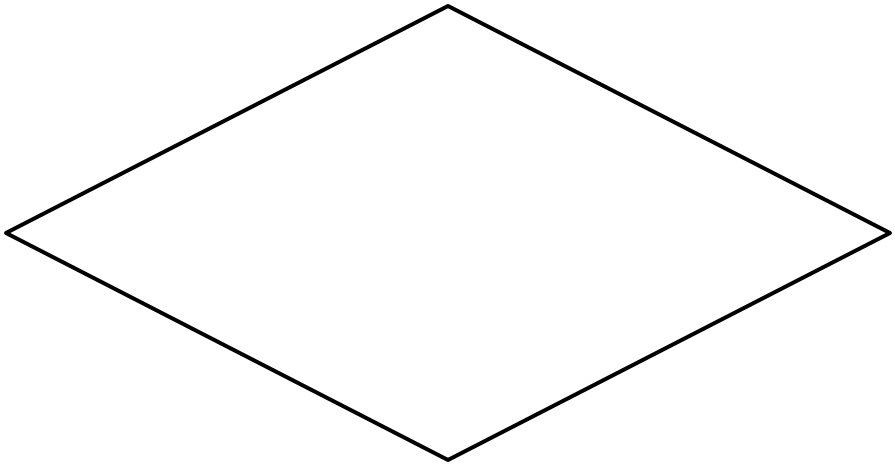
Guided Practice (Our Turn):

3. Draw 2 vertical lines to create 3 shapes with right angles. Label the right angles.



4. Draw 1 line to divide the quadrilateral below into 1 pentagon and 1 triangle.



Name: _____ Week 34 Day 4 Date: _____

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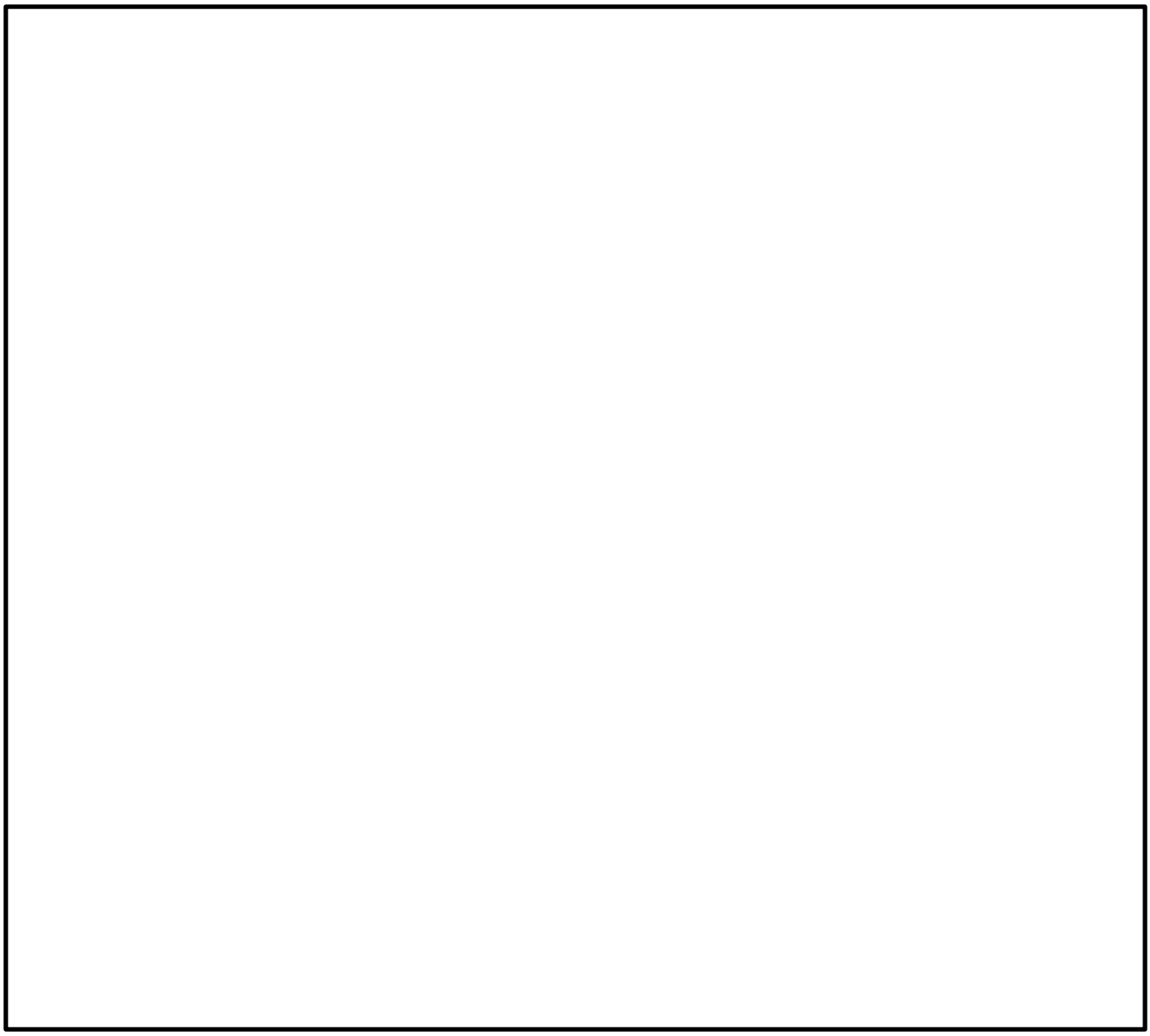
Problem Set (Your Turn):

5. Draw 2 lines to divide the square below into 1 rectangle and 2 triangles with right angles.



Name: _____ Week 34 Day 4 Date: _____

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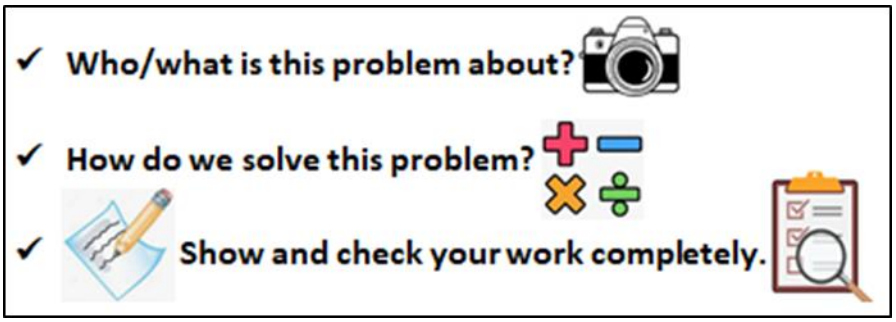
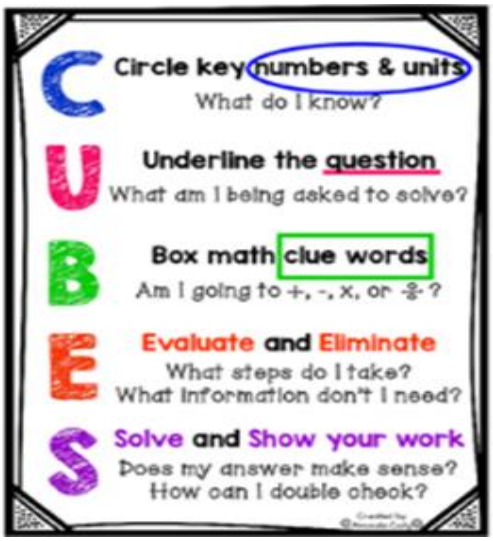
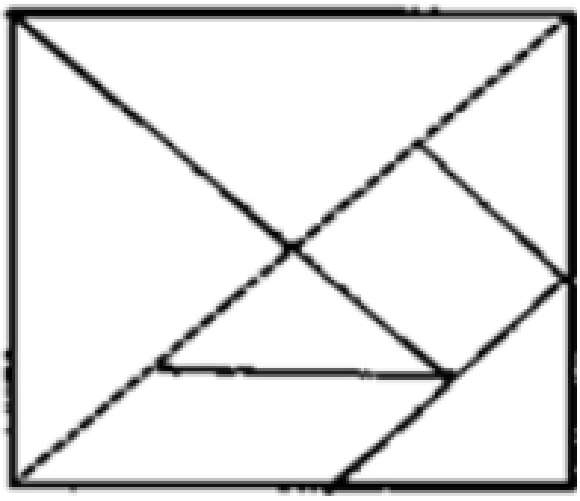




Application:

Ms. Maisenbacher says that there are 5 triangles in the shape below. Mrs. Mercado says there are 6. Who is correct? Why?



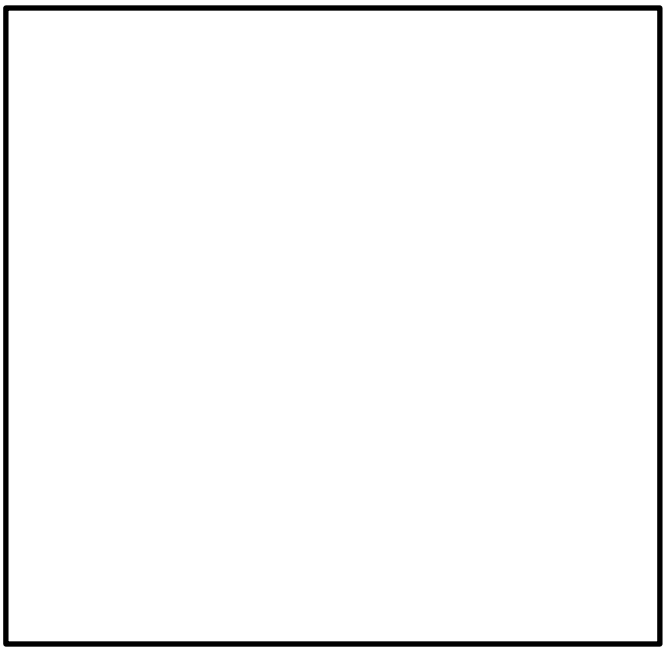
Name: _____ Week 34 Day 4 Date: _____

BCCS-B Harvard Yale Princeton

Exit Ticket:

Add two triangles to the shape below to make it have 2 pairs of parallel lines and 4 right angles.

Draw 4 lines to divide the square below into 8 equal triangles.



Name: _____ Week 34 Day 4 Date: _____

BCCS-B Harvard Yale Princeton

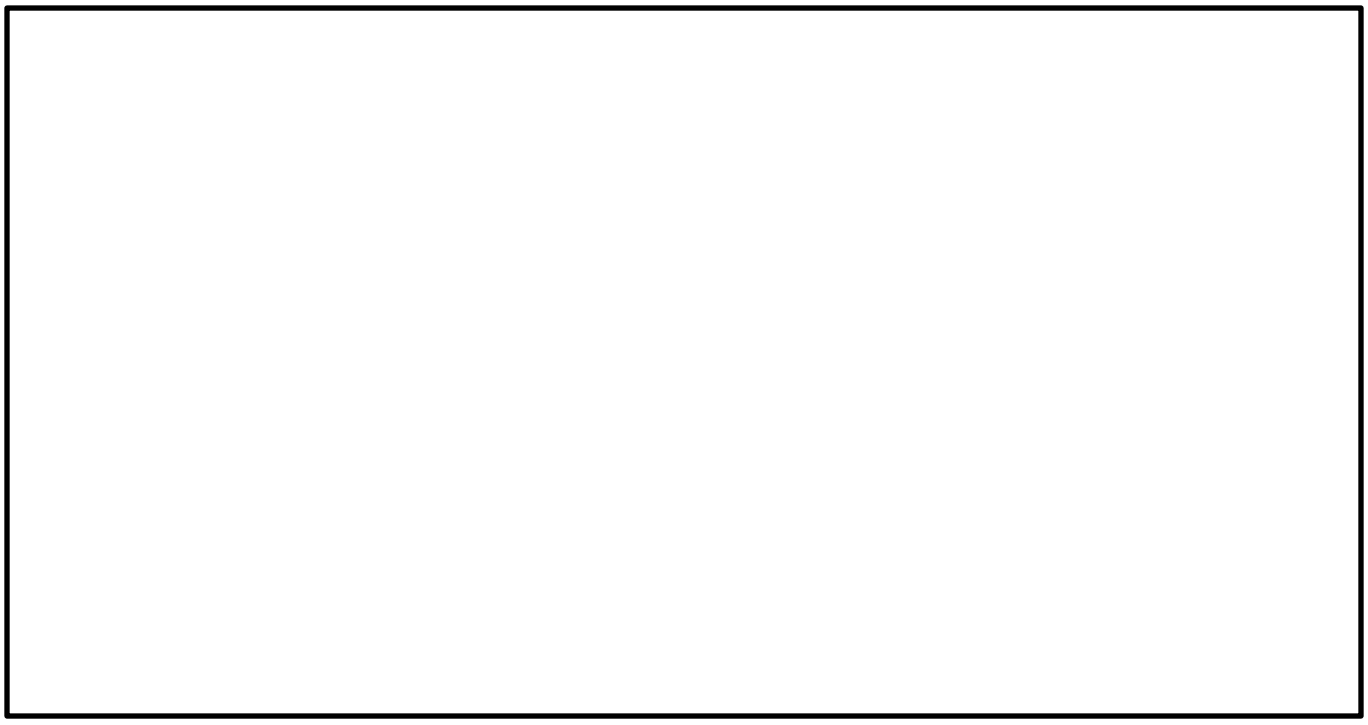
Homework:

Draw 1 line to create 2 copies of Mrs. Blomgren's mystery polygon.

Clues:

- EXACTLY 2 right angles
- EXACTLY 1 pair of parallel lines
- Irregular quadrilateral

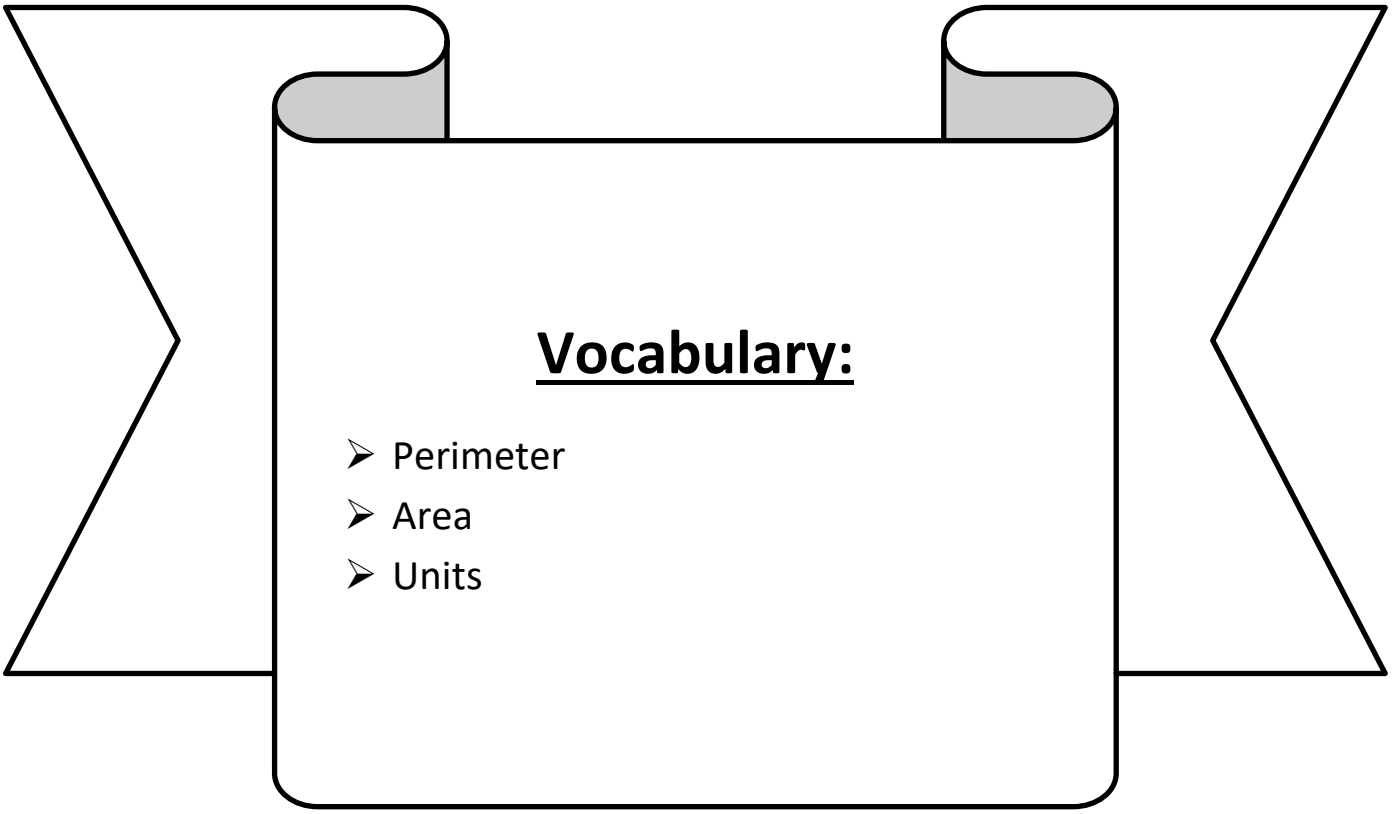
Hint: The line you draw should not be completely horizontal or vertical.




Brighter Choice
Charter School for Boys
Day # 5

LEQ: What is perimeter and how is it different from area?

Objective: I can follow a set of rules and trace a shape to understand its perimeter.



Name: _____ Week 34 Day 5 Date: _____

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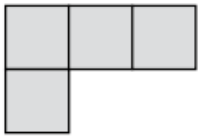
Do Now:

Area

Area is the number of **square units** that will fit inside a figure.

The area of this figure is **4 square units**.



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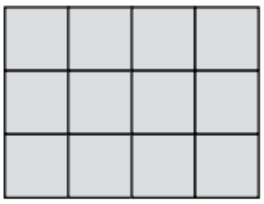
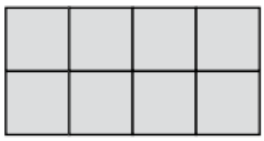
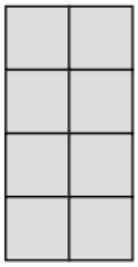
① 

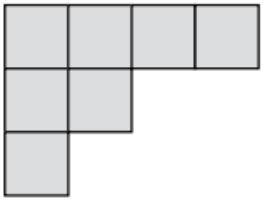
Area = 12 square units

② 

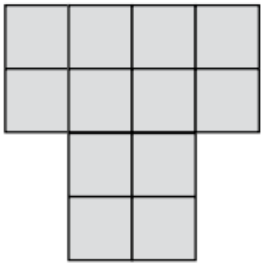
Area = _____

③ 

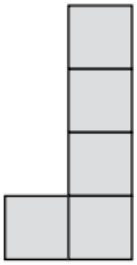
Area = _____

④ 

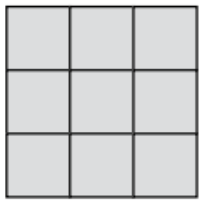
Area = _____

⑤ 

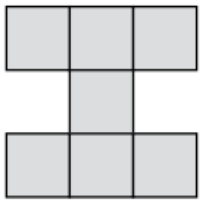
Area = _____

⑥ 

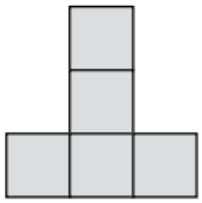
Area = _____

⑦ 

Area = _____

⑧ 

Area = _____

⑨ 

Area = _____

Name: _____ Week 34 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

Exploration:

The area of Mrs. Page's pool floor is 360 square feet. She wants to put a fence around the pool to keep it safe. Her daughter Maggie tells her to buy 360 feet of fencing. Do you agree or disagree with Maggie? Why?

What does area measure in a shape?

Name: _____ Week 34 Day 5 Date: _____

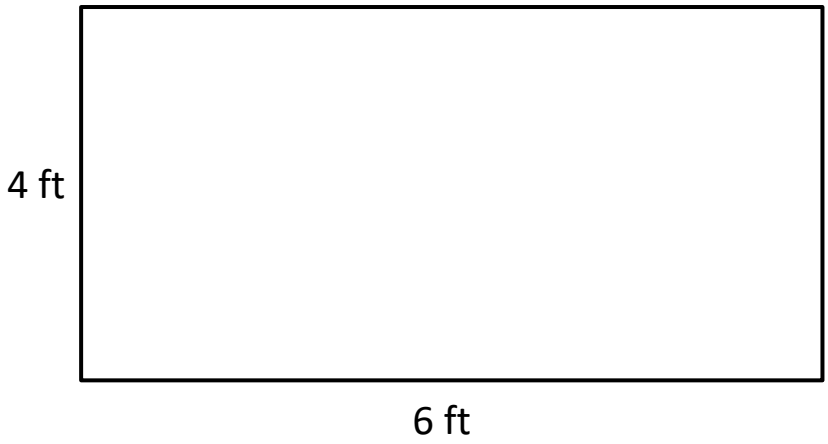
BCCS-B Harvard Yale Princeton

Input (My Turn):

While area measures the amount of space inside a shape, a shape's

_perimeter_____ tells us the distance around it.

Let's trace the part of the shape that shows the perimeter and shade in the part of the shape that shows the area.

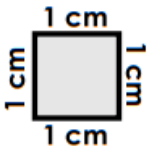


Area	Perimeter

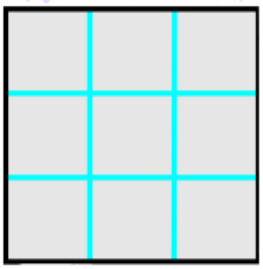
Name: _____ Week 34 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

Guided Practice (Our Turn):



a.



A = _____ sq cm

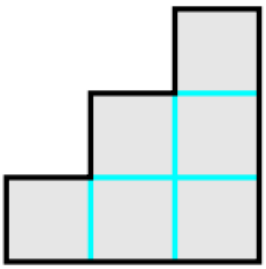
P= _____ cm

b.

A = _____ sq cm

P= _____ cm

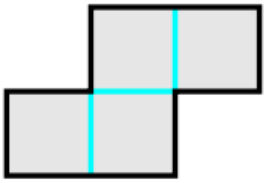
c.



A = _____ sq cm

P= _____ cm

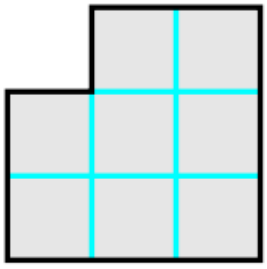
d.



A = _____ sq cm

P= _____ cm

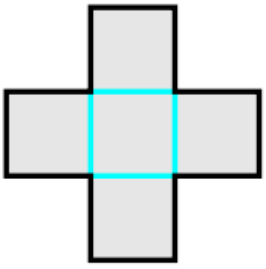
e.



A = _____ sq cm

P= _____ cm

f.



A = _____ sq cm

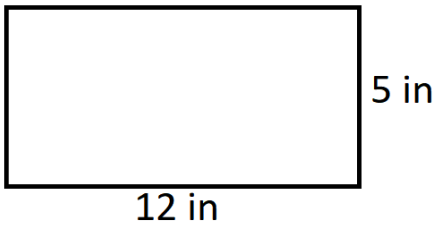
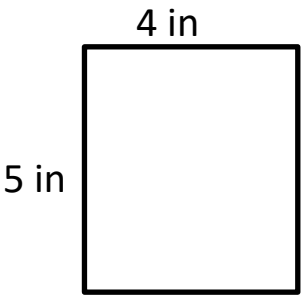
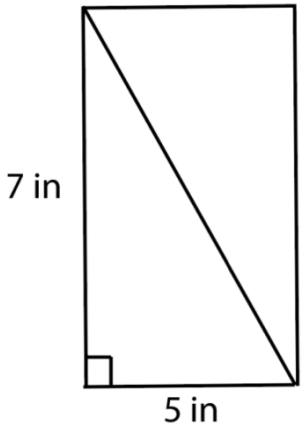
P = _____ cm

Name: _____ Week 34 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

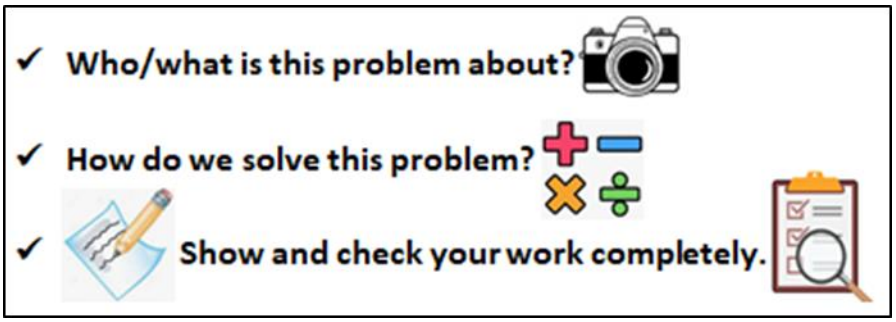
Problem Set (Your Turn):

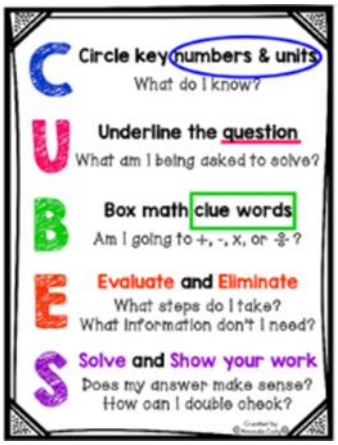
Find the area and perimeter of each rectangle below.

Shape	Area (square inches)	Perimeter (inches)
		
		
		

Name: _____ Week 34 Day 5 Date: _____

BCCS-B Harvard Yale Princeton





Application:

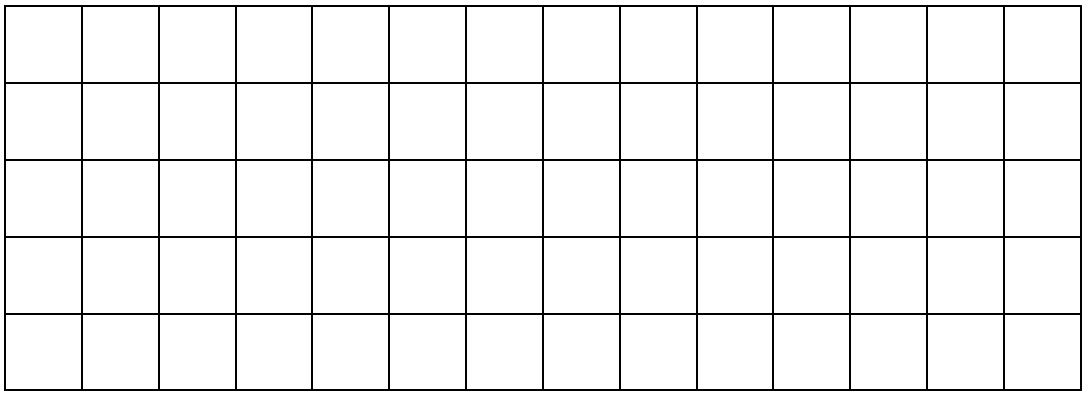
Mic'Ky wants to start a garden in our school. His garden will measure 8 feet by 6 feet. Sai'Ziere thinks Mic'Ky should buy 48 feet of fencing. Kenny thinks he should buy 28 feet of fencing. Who is correct? Show your thinking.

Name: _____ Week 34 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

Exit Ticket:

Draw a rectangle with an area of 18 square units on the grid below.



a. Shade in the area.
b. Label the side lengths
c. Find the perimeter

Name _____

3rd Grade ESL Math Remote Learning Packet

Week 35

Dear Educator,

My signature is proof that I have reviewed my scholar's work and supported him to the best of my ability to complete all assignments.

_____ _____

(Parent Signature) (Date)

Parents please note that all academic packets are also available on our website at www.brighterchoice.org under the heading "Remote Learning." All academic packet assignments are mandatory and must be completed by all scholars.


Brighter Choice
Charter School for Boys
Day # 1

LEQ: How can I find the length of a shape's side to find its perimeter?

Objective: I can use a ruler to measure all sides and add the side lengths to find its perimeter.

Vocabulary:

- Units
- Perimeter
- Sum
- Ruler

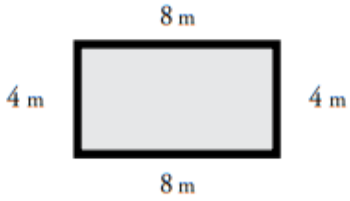
Name: _____ Week 35 Day 1 Date: _____

BCCS-B Harvard Yale Princeton

Do Now:

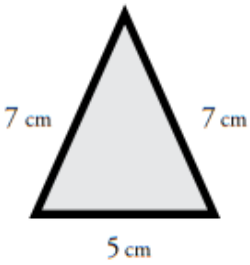
Find the perimeter of each polygon.

a.



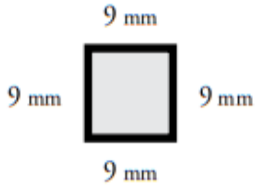
Perimeter = _____

b.



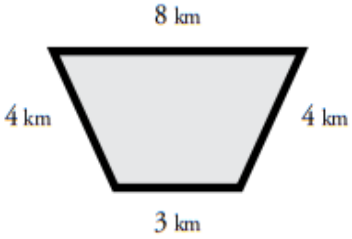
Perimeter = _____

c.



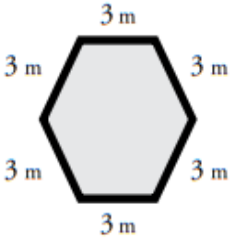
Perimeter = _____

d.



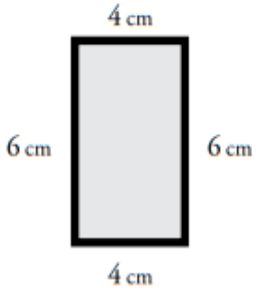
Perimeter = _____

e.



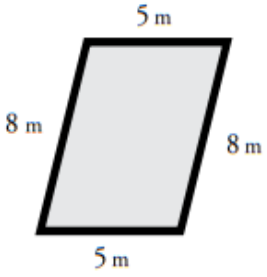
Perimeter = _____

f.



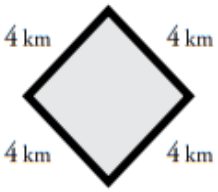
Perimeter = _____

g.



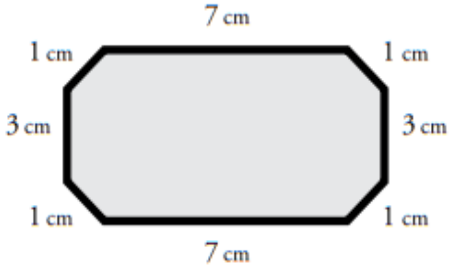
Perimeter = _____

h.



Perimeter = _____

i.



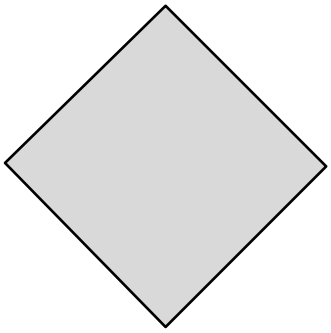
Perimeter = _____

Name: _____ Week 35 Day 1 Date: _____

BCCS-B Harvard Yale Princeton

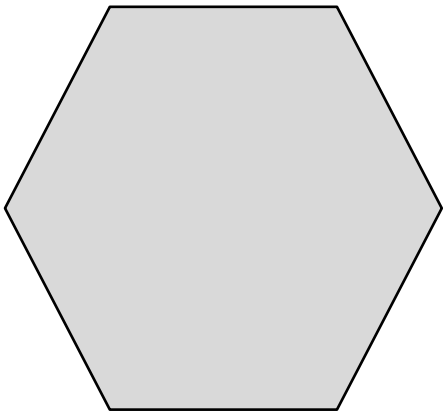
Input (My Turn):

Measure and label the side lengths of the shapes below in centimeters. Then, find the perimeter of each shape.



Perimeter = _____

= _____ cm



Perimeter = _____

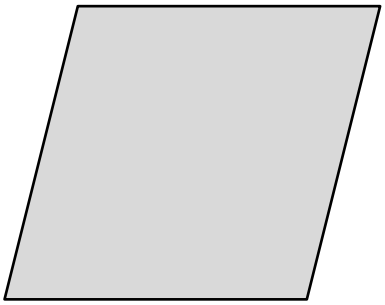
= _____ cm

Name: _____ Week 35 Day 1 Date: _____

BCCS-B Harvard Yale Princeton

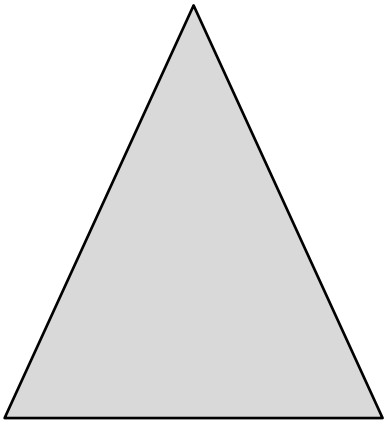
Guided Practice (Our Turn):

Measure and label the side lengths of the shapes below in centimeters. Then, find the perimeter of each shape.



Perimeter = _____

= _____ cm



Perimeter = _____

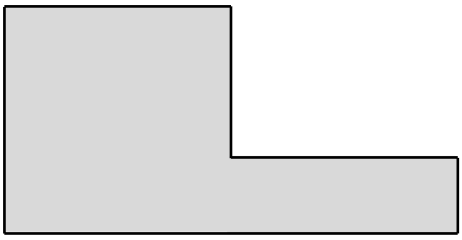
= _____ cm

Name: _____ Week 35 Day 1 Date: _____

BCCS-B Harvard Yale Princeton

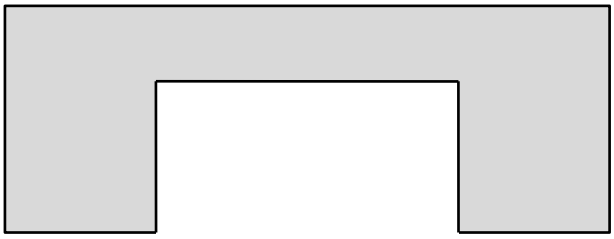
Problem Set (Your Turn):

Measure and label the side lengths of the shapes below in centimeters. Then, find the perimeter of each shape.



Perimeter = _____

= _____ cm

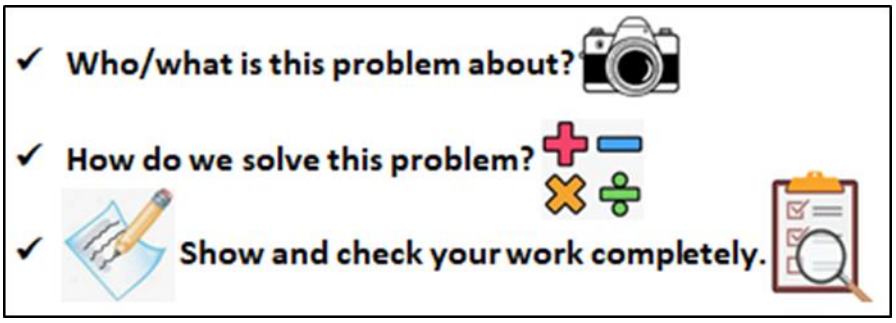


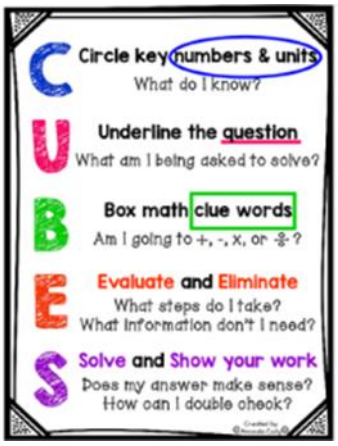
Perimeter = _____

= _____ cm

Name: _____ Week 35 Day 1 Date: _____

BCCS-B Harvard Yale Princeton

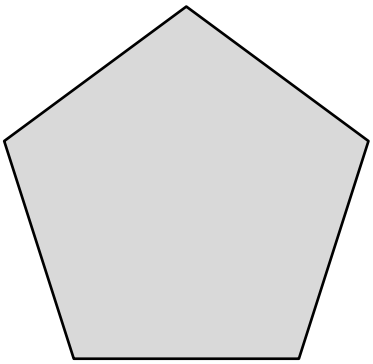




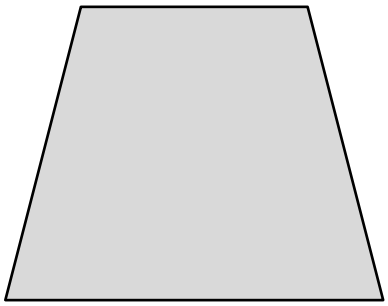
Application:

Shahidullah and Peter draw the shapes shown below. Measure and label the side lengths in centimeters. Whose shape has a greater perimeter? How do you know?

Shahidullah's Shape



Peter's Shape

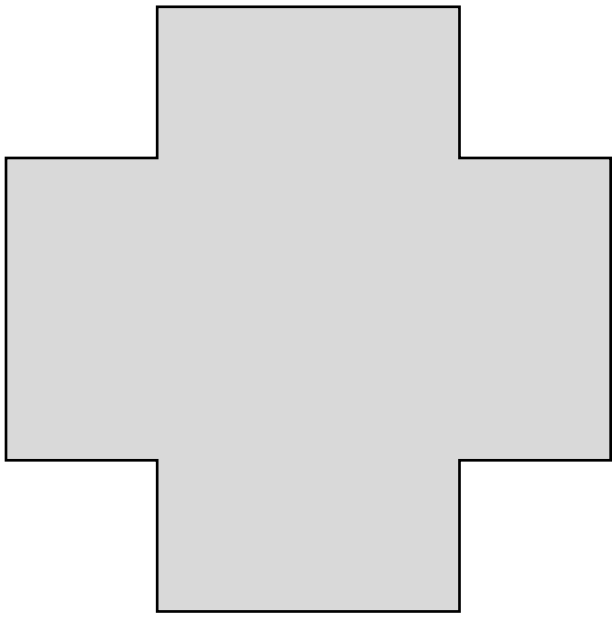


Name: _____ Week 35 Day 1 Date: _____

BCCS-B Harvard Yale Princeton

Exit Ticket:

Measure and label the side lengths of the shape below in centimeters. Then, find the perimeter.



Perimeter = _____

= _____ cm

Name: _____ Week 35 Day 1 Date: _____

BCCS-B Harvard Yale Princeton

Homework:

Add side lengths to find the perimeter.

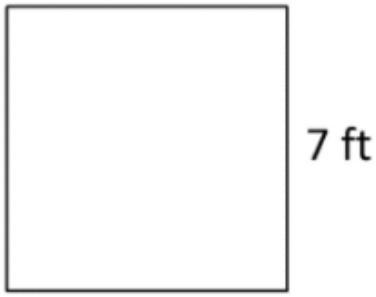
1)

Perimeter = 24 cm

2)

Perimeter = _____ in

3)



Perimeter = _____ ft

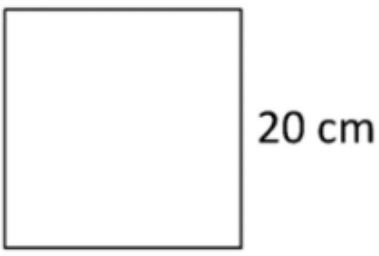
4)

Perimeter = _____ m

5)

Perimeter = _____ m

6)



Perimeter = _____ cm


Brighter Choice
Charter School for Boys
Day # 2

LEQ: How can I explore perimeter as an attribute of plane figures and solve problems?

Objective: I can add side lengths of any given shape to explore perimeter as an attribute of plane figures and solve problems.

Vocabulary:

- Units
- Perimeter
- Sum

Name: _____ Week 35 Day 2 Date: _____

BCCS-B Harvard Yale Princeton

Do Now:

Mrs. Mclean wants to put a fence around her back yard. Should she find the area or the perimeter? Find the area and the perimeter of her back yard.

10 Feet

8 Feet

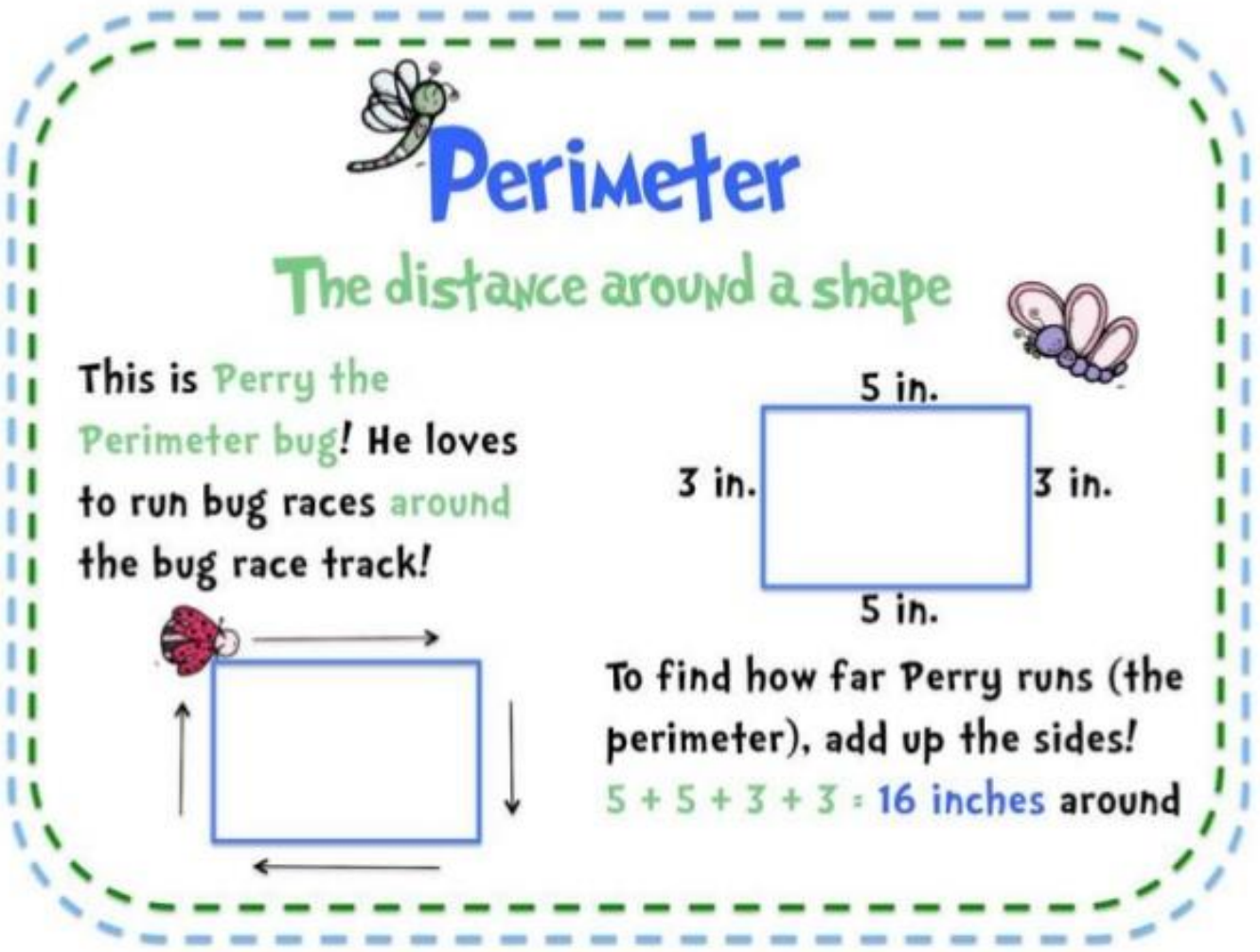
Area: _____ square ft

Perimeter: _____ ft

Name: _____ Week 35 Day 2 Date: _____

BCCS-B Harvard Yale Princeton

Input (My Turn):



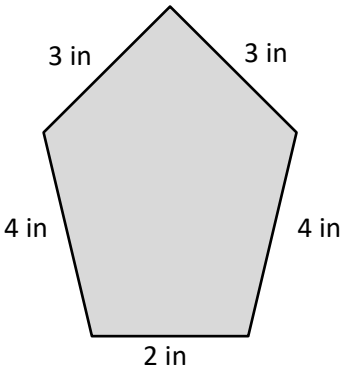
While the area of a shape is the space that's inside in square units, a shape's _____ is the distance around it in the given unit. To find the perimeter of a square with a side length of 4 inches, I would add 4 inches + 4 inches + 4 inches + 4 inches to get a perimeter of _____ inches.

Name: _____ Week 35 Day 2 Date: _____

BCCS-B Harvard Yale Princeton

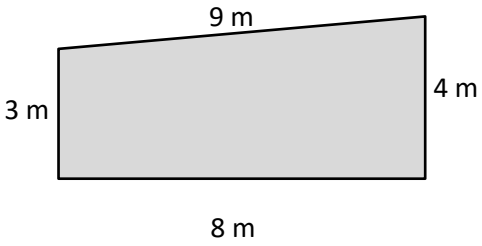
Input (My Turn):

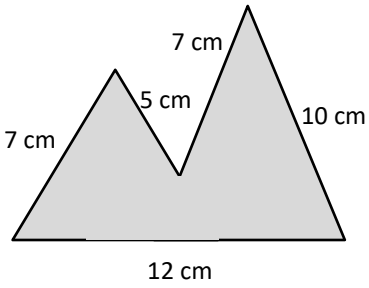
Name each irregular polygon. Then write an equation to find its perimeter in the given unit.



Hexagon

3 + 3 + 4 + 4 + 2 = 16 inches



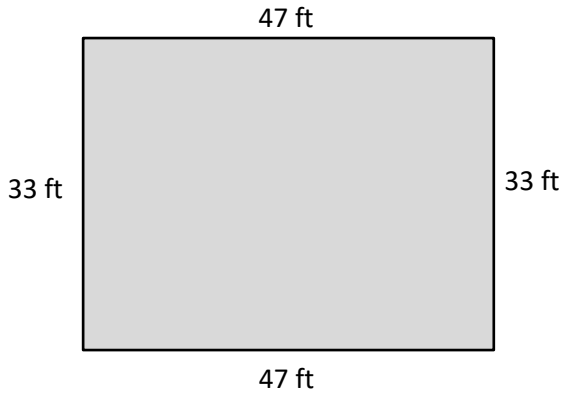


Name: _____ Week 35 Day 2 Date: _____

BCCS-B Harvard Yale Princeton

Guided Practice (Our Turn):

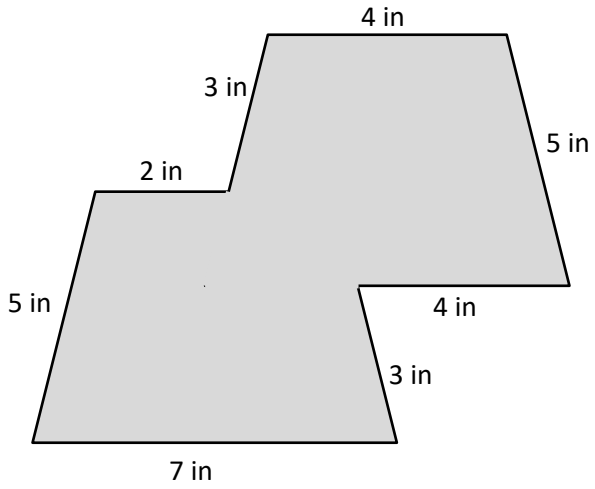
1. Justin's rectangular garden is 33 feet long and 47 feet wide. What is the perimeter of Justin's garden?



Add up all the sides

160 feet

2. What is the area of the shape below?



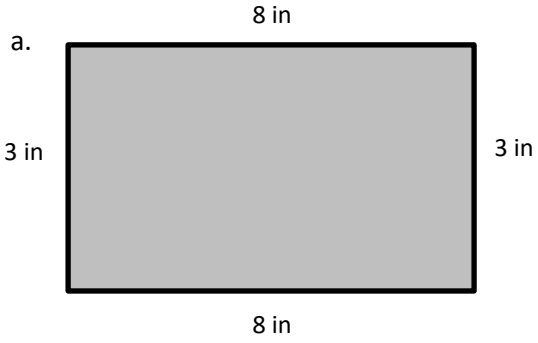
Name: _____ Week 35 Day 2 Date: _____

BCCS-B Harvard Yale Princeton

Problem Set (Your Turn):

1. Find the perimeter of the following shapes.

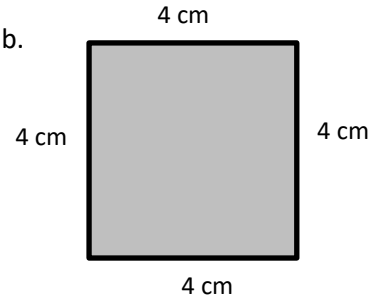
a.



P = 3 in + 8 in + 3 in + 8 in

= _____ in

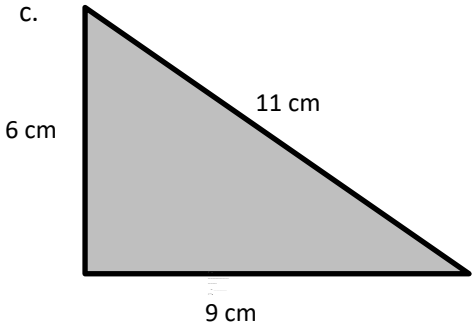
b.



P = ____ cm + ____ cm + ____ cm + ____ cm

= _____ cm

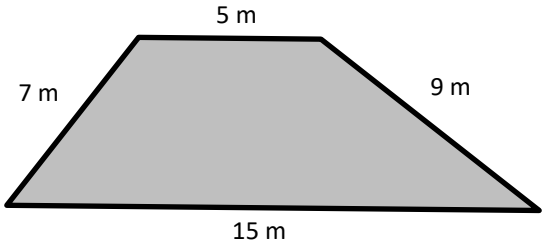
c.



P = ____ cm + ____ cm + ____ cm

= _____ cm

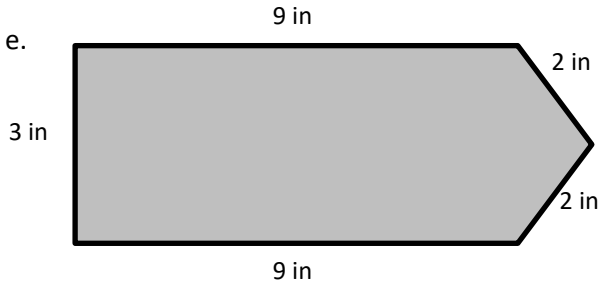
d.



P = ____ m + ____ m + ____ m + ____ m

= _____ m

e.

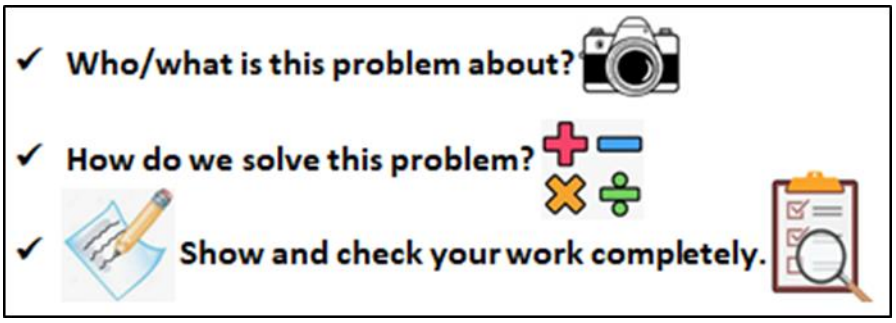


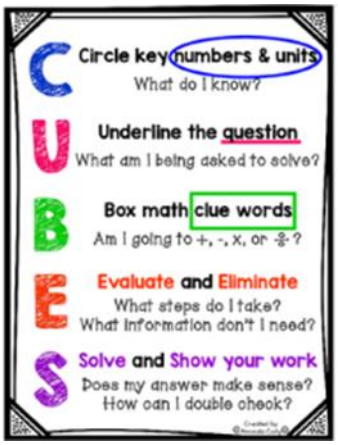
P = ____ in + ____ in + ____ in + ____ in + ____ in

= _____ in

Name: _____ Week 35 Day 2 Date: _____

BCCS-B Harvard Yale Princeton





Application:

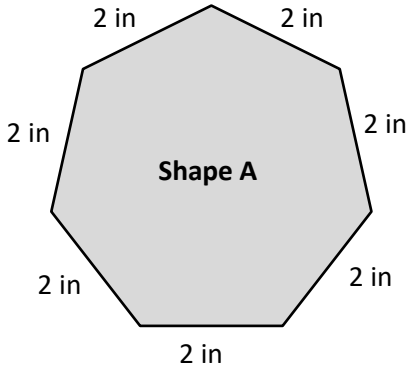
Messiah's mystery shape has a perimeter of 22 inches and an area of 18 square inches. Draw his shape below and label the side lengths.

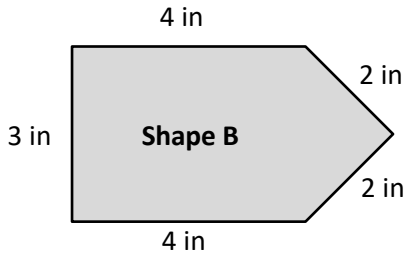
Name: _____ Week 35 Day 2 Date: _____

BCCS-B Harvard Yale Princeton

Exit Ticket:

Which shape below has the greater perimeter? Show your thinking.



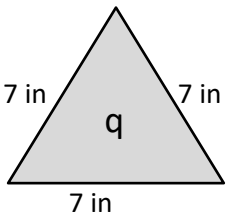


Name: _____ Week 35 Day 2 Date: _____

BCCS-B Harvard Yale Princeton

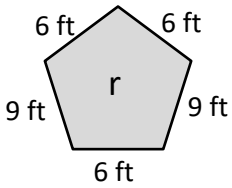
Homework:

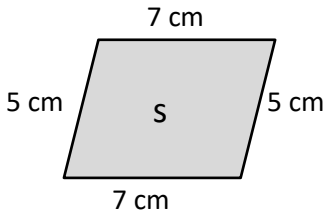
Find the perimeters of the shapes below. Include the units in your equations. Match the letter inside each shape to its perimeter to solve the riddle. The first one has been done for you.

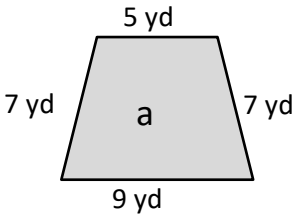


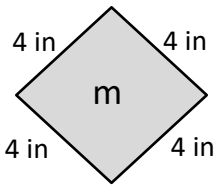
P = 7 in + 7 in + 7 in

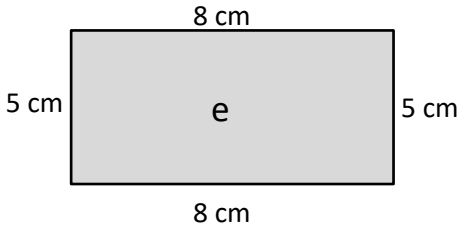
P = 21 in

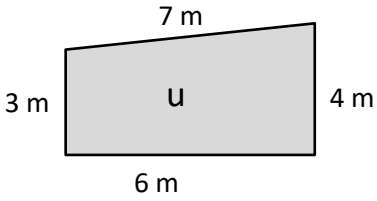


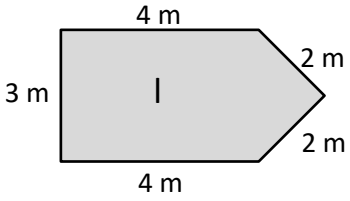










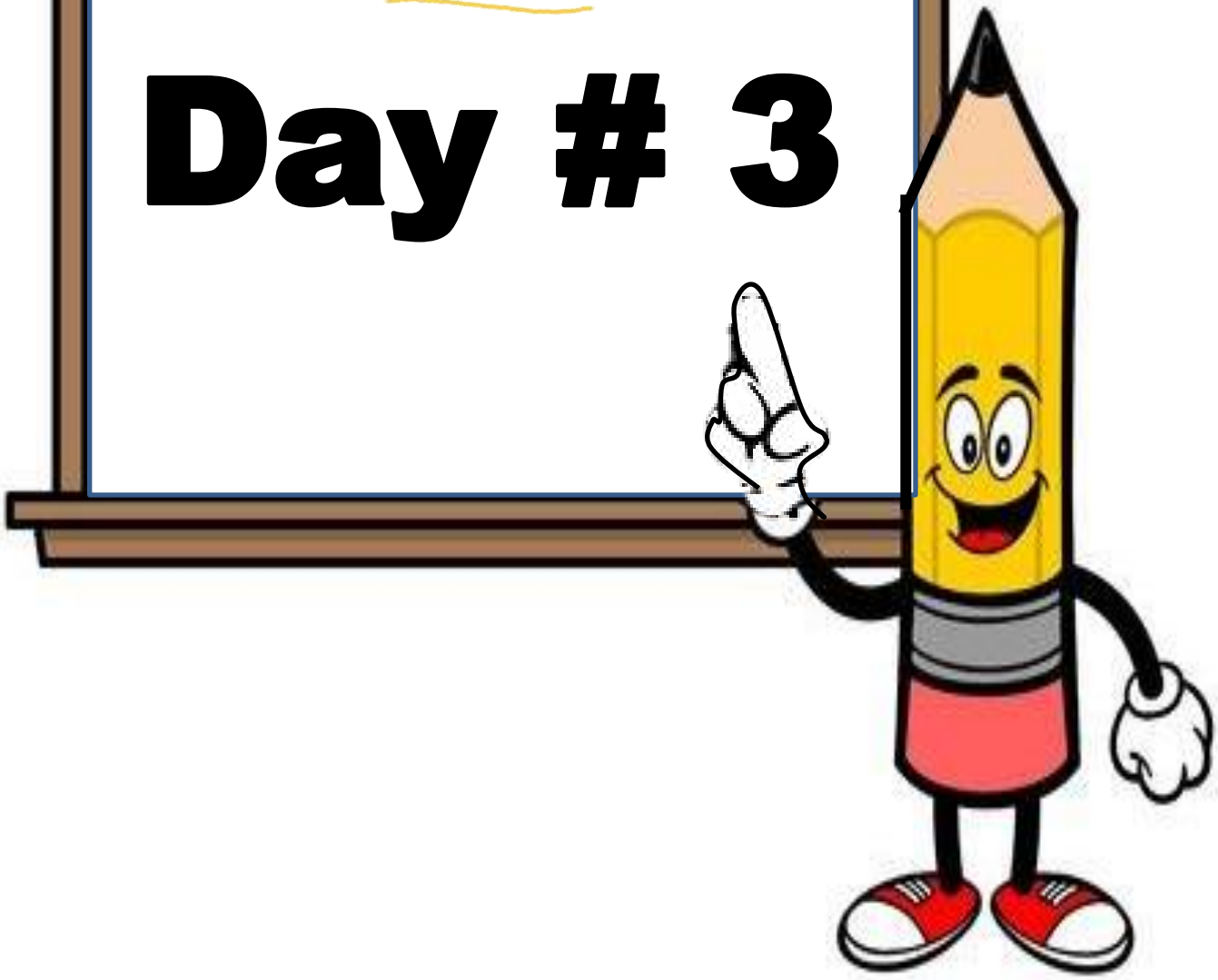


What kind of meals do math teachers eat?

____	____	____	____	____	____		____	____	____	____	____ !
24	21	20	28	36	26		16	26	28	15	24

Brighter Choice
Charter School for Boys

Day # 3



LEQ: How I can I determine the perimeter of regular polygons and rectangles when whole number measurements are unknown?

Objective: I can apply the rules about regular polygons to determine the perimeter with unknown measurements.

Vocabulary:

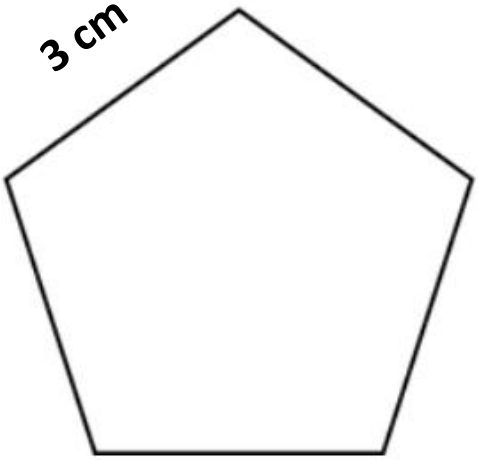
- Unknown
- Regular Polygon
- Perimeter
- Addend

Name: _____ Week 35 Day 3 Date: _____

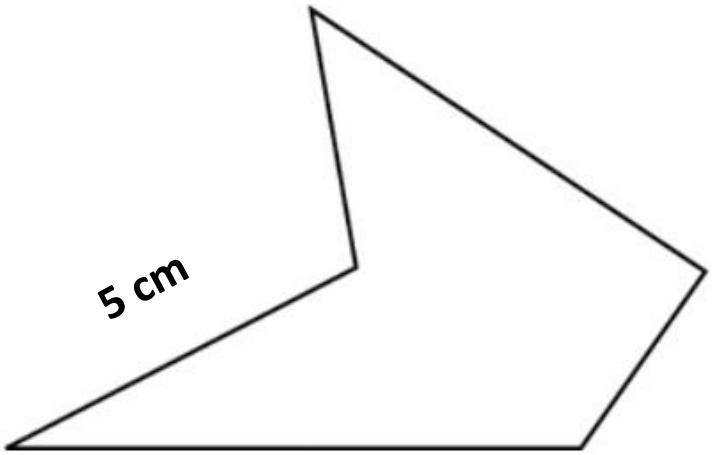
BCCS-B Harvard Yale Princeton

Exploration:

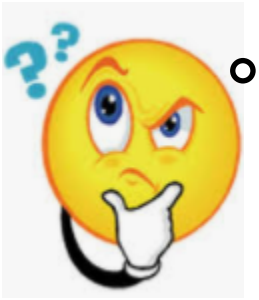
Regular Pentagon



Irregular Pentagon



Do I have enough information to find the perimeter of each pentagon?



Name: _____ Week 35 Day 3 Date: _____

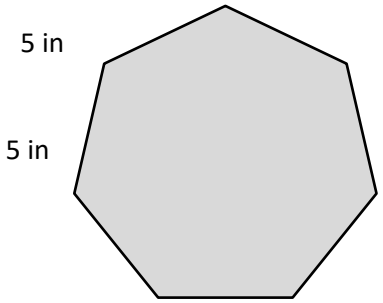
BCCS-B Harvard Yale Princeton

Input (My Turn):

Regular polygons have equal _____and angles, so you only need the measurement of one side to find the perimeter of the entire shape.

1. Label the unknown side lengths of the regular shapes below. Then, find the perimeter of each shape.

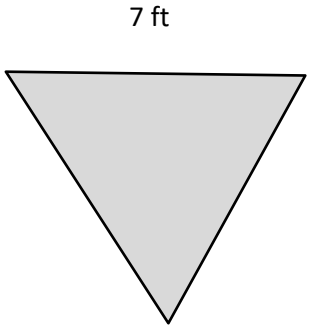
a.



Perimeter = _____ in

Addition	Multiplication
5 + 5 + 5 +5 + 5 + 5 + 5	5 x 7 =

b.



Perimeter = _____ ft

Addition	Multiplication

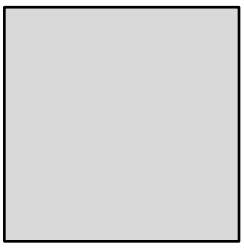
Name: _____ Week 35 Day 3 Date: _____

BCCS-B Harvard Yale Princeton

Guided Practice (Our Turn):

1. Label the unknown side lengths of the regular shapes below. Then, find the perimeter of each shape.

c.

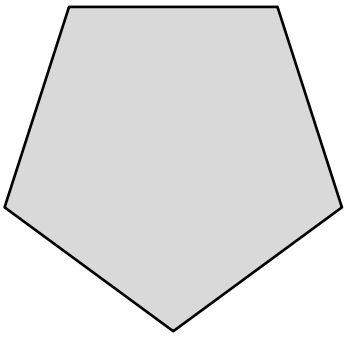


Perimeter = _____ m

Addition	Multiplication
	9 x 4 =

d.

6 in



Perimeter = _____ in

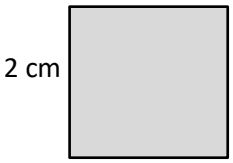
Addition	Multiplication

Name: _____ Week 35 Day 3 Date: _____

BCCS-B Harvard Yale Princeton

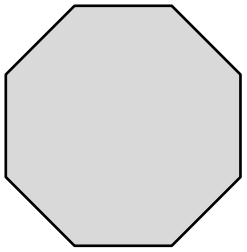
Problem Set (Your Turn):

1. Label the unknown side lengths of the square below. Then, find the perimeter of the square.



Perimeter = _____ cm

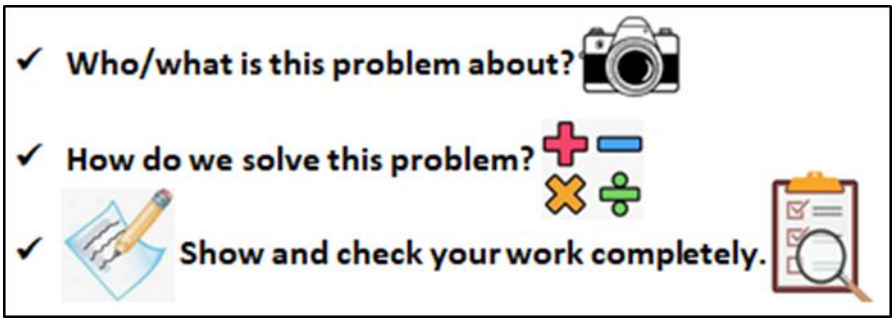
2. David draws a regular octagon and labels a side length as shown below. Find the perimeter of David's octagon.

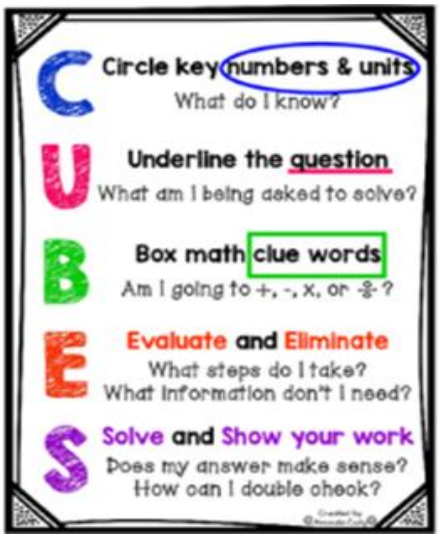


------ + ------ + ------- + ------- + ------- + --------- + ------- + -------- =

Name: _____ Week 35 Day 3 Date: _____

BCCS-B Harvard Yale Princeton





Application:

Mr. Thompson draws a regular hexagon on the board. One of the sides measures 4 centimeters. Gaius and Xaiden find the perimeter. Their work is shown below. Whose work is correct? Explain your answer.

Gaius's Work
Perimeter = 4 cm + 4 cm + 4 cm + 4 cm + 4 cm + 4 cm
Perimeter = 24 cm

Xaiden's Work
Perimeter = 6 × 4 cm
Perimeter = 24 cm

When I look at both math problems I can see

_____

_____

_____

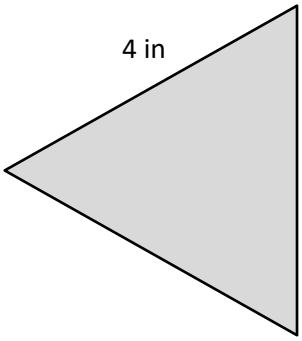
Name: _____ Week 35 Day 3 Date: _____

BCCS-B Harvard Yale Princeton

Exit Ticket:

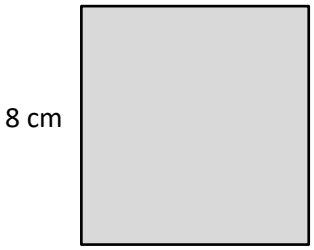
Label the unknown side lengths of the regular shapes below. Then, find the perimeter of each shape.

a.



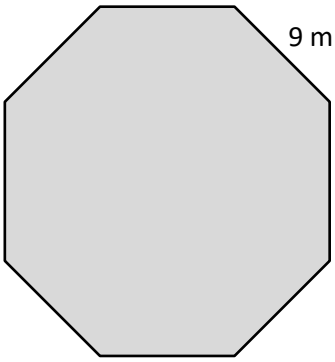
Perimeter = _____ in

b.



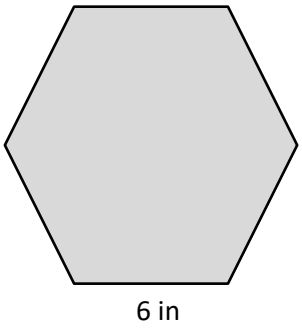
Perimeter = _____ cm

c.



Perimeter = _____ m

d.



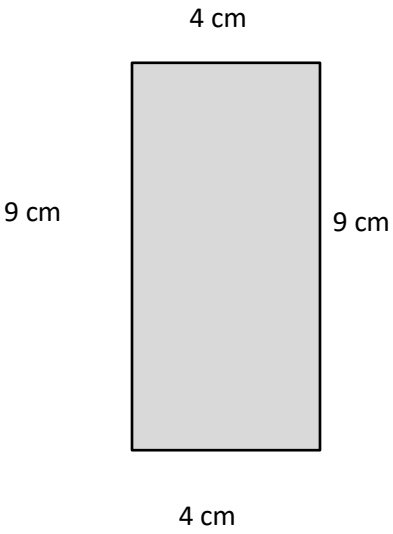
Perimeter = _____ in

Name: _____ Week 35 Day 3 Date: _____

BCCS-B Harvard Yale Princeton

Homework:

1. Label the unknown side lengths of the rectangle below. Then, find the perimeter of the rectangle.

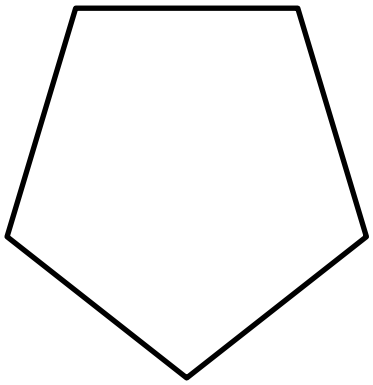


Perimeter = _____ cm

------ + ------- + --------- + --------- =

2. Bari draws a regular pentagon and labels a side length as shown below. Find the perimeter of Bari's pentagon.

All sides are the same length



_____ + _____ +_____ + _____ +_____ =

Perimeter _____ cm.


Brighter Choice
Charter School for Boys
Day # 4

LEQ: How can I find the perimeter of a polygon without a diagram?

Objective: I can use side lengths and apply rules to draw polygons and find their perimeter.

Vocabulary:

- Diagram
- CUBES
- Sum
- Addend
- Label

Name: _____ Week 35 Day 4 Date: _____

BCCS-B Harvard Yale Princeton

Exploration:

A rectangular garden has a perimeter of 180 feet.

The north side of the garden is 40 feet.

What is the length of the east side of the garden?

Show your work.

?

40 ft

40 ft

?

When all sides are added, it must equal 180 ft

answer: _____

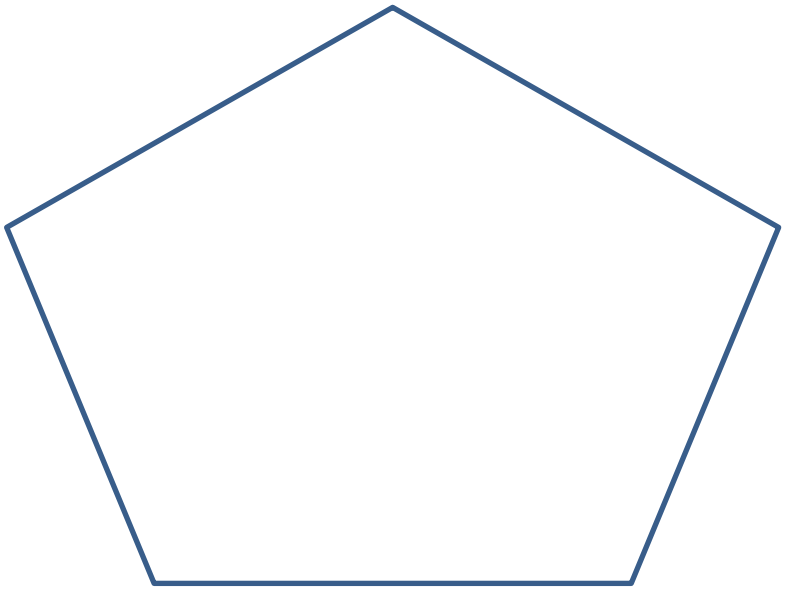
Name: _____ Week 35 Day 4 Date: _____

BCCS-B Harvard Yale Princeton

Input (My Turn):

1. Mrs. Mercado put a border around a 5-foot by 6-foot rectangular bulletin board. How many feet of border did Mrs. Mercado use?

2. Dayshawn built a model of the Pentagon for a social studies project. He made each outside wall 33 centimeters long. What is the perimeter of Dayshawn's model pentagon?



Name: _____ Week 35 Day 4 Date: _____

BCCS-B Harvard Yale Princeton

Guided Practice (Our Turn):

3. The Jackson family plants a rectangular 8-yard by 9-yard vegetable garden. How many yards of fencing do they need to put a fence around the garden?

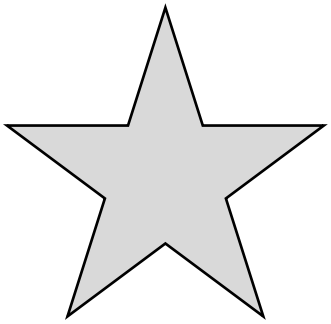
4. Ms. Moise ropes off a square section of her yard where she plants grass. One side length of the square measures 9 yards. What is the total length of rope Ms. Moise uses?

Name: _____ Week 35 Day 4 Date: _____

BCCS-B Harvard Yale Princeton

Problem Set (Your Turn):

5. Mr. Moore paints a 5-pointed star on his bedroom wall. Each side of the star is 18 inches long. What is the perimeter of the star?

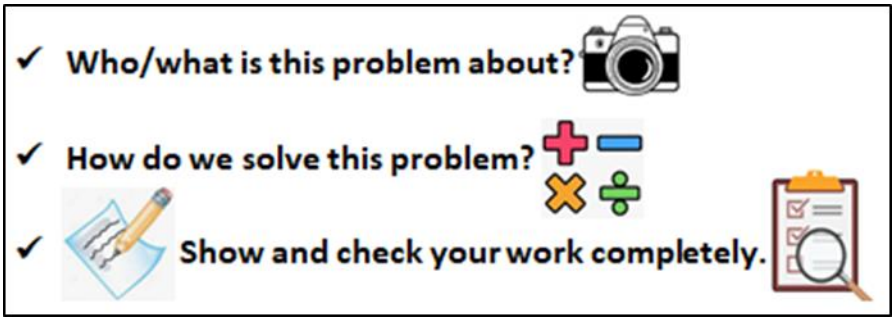


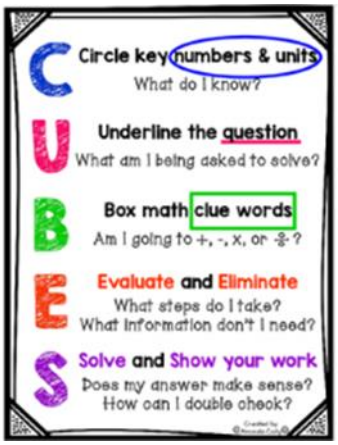
There are 10 sides.

6. The soccer team jogs around the outside of the soccer field twice to warm up. The rectangular field measures 60 yards by 100 yards. What is the total number of yards the team jogs?

Name: _____ Week 35 Day 4 Date: _____

BCCS-B Harvard Yale Princeton





Application:

Gionni glues a ribbon border around the edges of a 5-inch by 8-inch picture to create a frame. What is the total length of ribbon Gionni uses?

Name: _____ Week 35 Day 4 Date: _____

BCCS-B Harvard Yale Princeton

Exit Ticket:

Saad uses 6 sticks to make a hexagon. Each stick is 6 inches long. What is the perimeter of Saad's hexagon?

Name: _____ Week 35 Day 4 Date: _____

BCCS-B Harvard Yale Princeton

Homework:

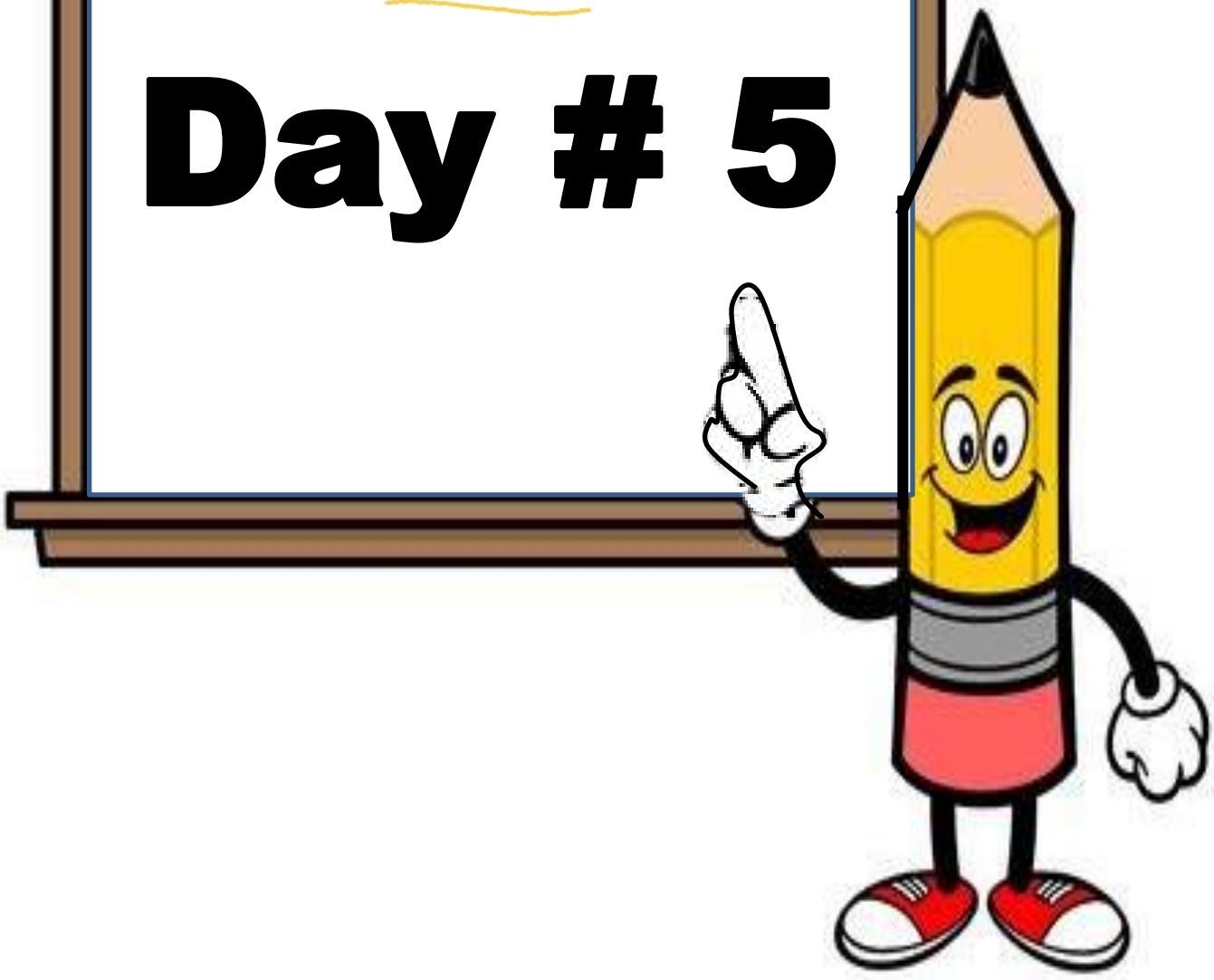
8 sides

1. A building at Siena College has a room shaped like a regular octagon. The length of each side of the room is 5 feet. What is the perimeter of this room?

2. Ahmed fences in a rectangular area for his dog to play in the backyard. The area measures 35 yards by 45 yards. What is the total length of fence that Ahmed uses?

Brighter Choice
Charter School for Boys

Day # 5



LEQ: How can I use all four operations to solve problems involving perimeter and unknown measurements?

Objective: I can mark up the question and label all sides to solve problems involving perimeter and unknown measurements.

Vocabulary:

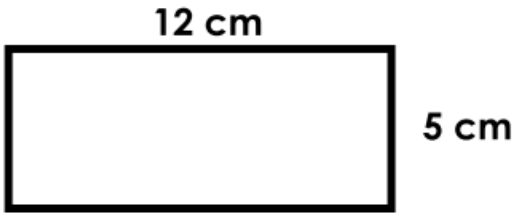
- Unknown
- Sum
- Perimeter

Name: _____ Week 35 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

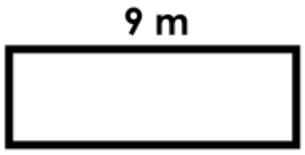
Do Now:

Find the area and perimeter of each rectangle.



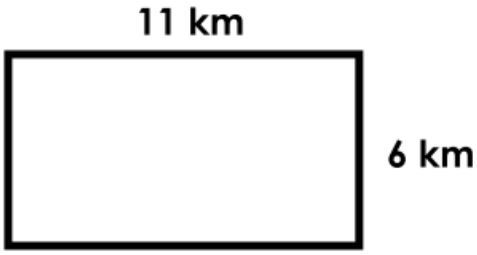
perimeter = 34 cm

area = _____



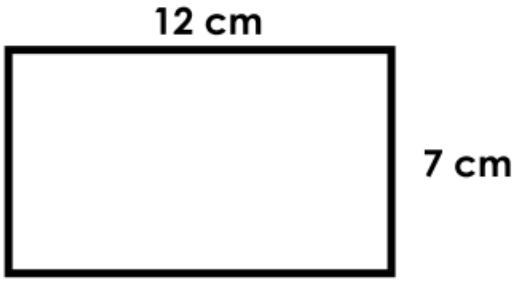
perimeter = _____

area = _____



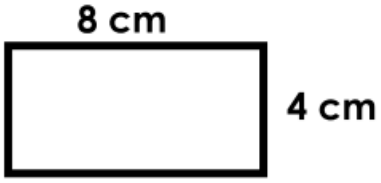
perimeter = _____

area = _____



perimeter = _____

area = _____



perimeter = _____

area = _____

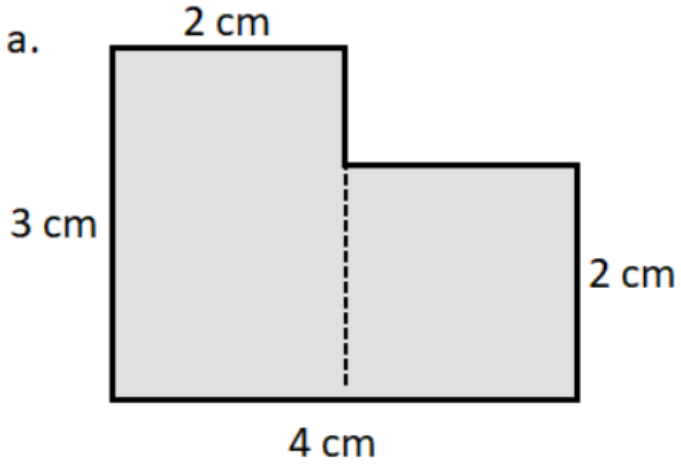
Name: _____ Week 35 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

Input (My Turn):

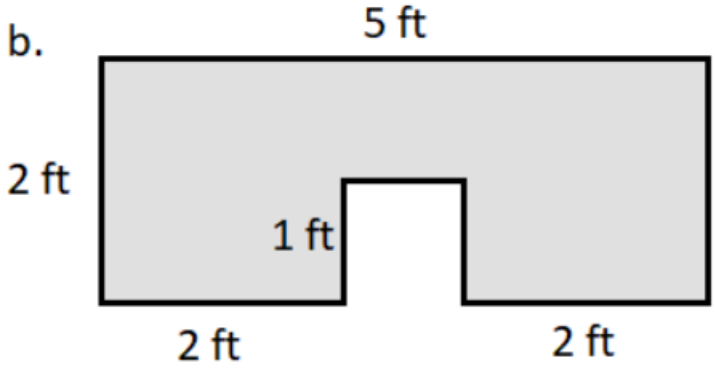
1. The shapes below are made up of rectangles. Label the unknown side lengths. Then, write and solve an equation to find the perimeter of each shape.

a.



P = _____

b.

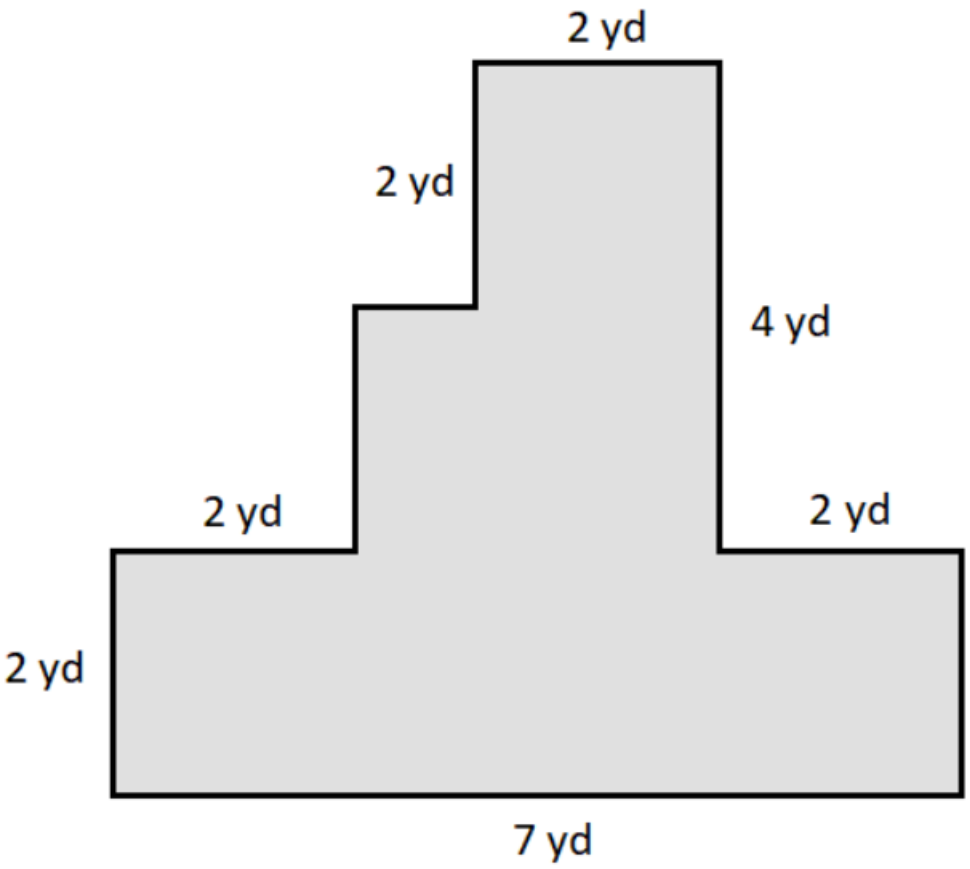


P = _____

Name: _____ Week 35 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

Guided Practice (Our Turn):

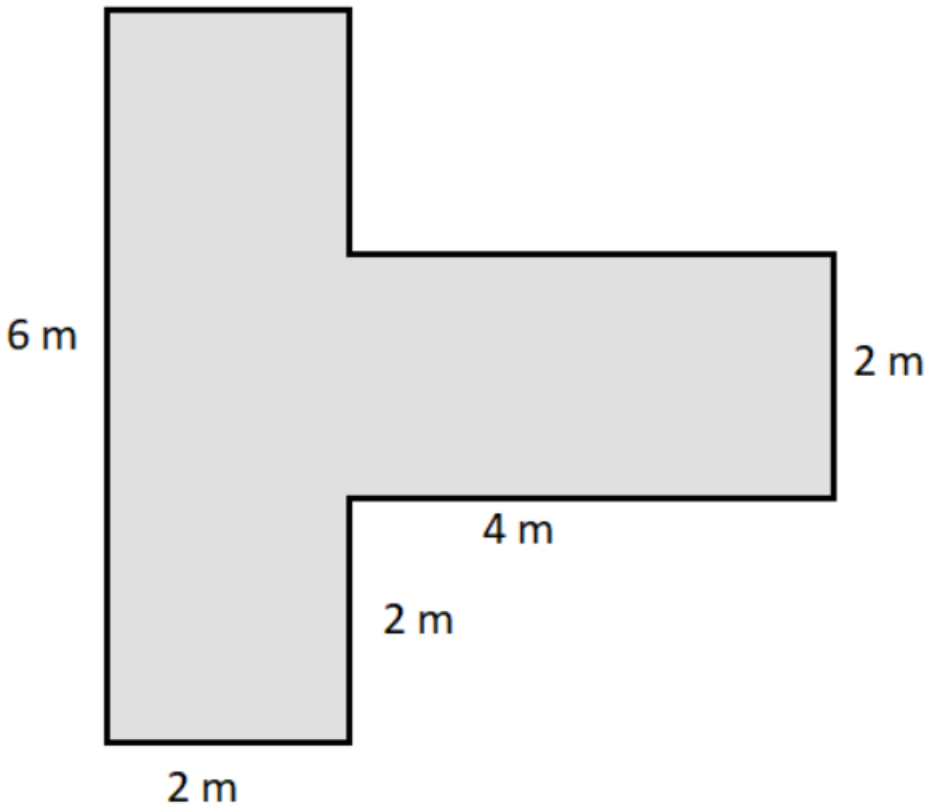


P = _____

Name: _____ Week 35 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

Problem Set (Your Turn):



P = _____

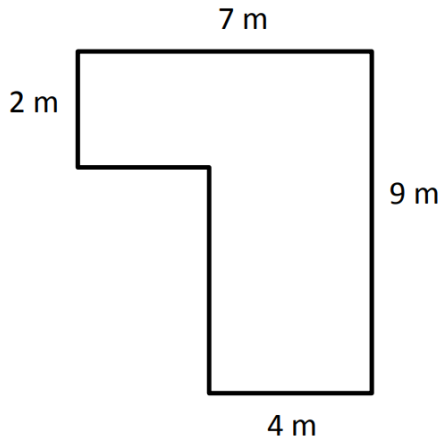
Name: _____ Week 35 Day 5 Date: _____

BCCS-B Harvard Yale Princeton

Exit Ticket:

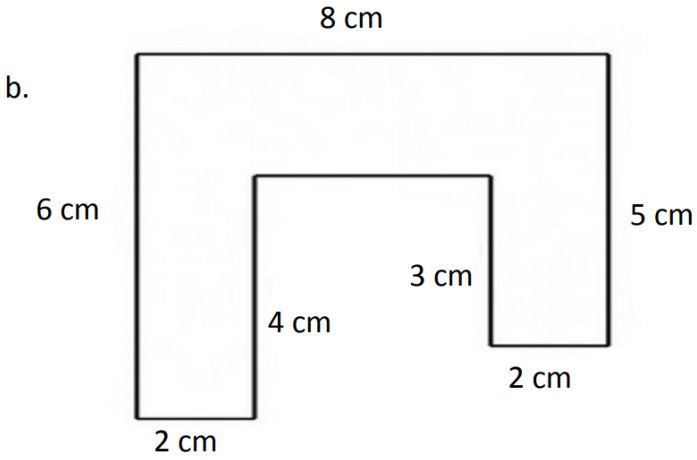
1. The shapes below are made up of rectangles. Label the unknown side lengths. Then, write and solve an equation to find the perimeter of each shape.

a.



P =

b.



P =