Rational Number War? * Station 1 *



<u>Directions</u>: Face off against a partner in a game of War! In each round, the greatest number wins! ;)

RULES:

Both players flip a card over. The person who has the greatest value keeps both cards. Continue until one player runs out of cards or time is up. The person with the most cards at the end is the winner!

<u>Declaring War</u>: If both players flip a card that has the same value, they will both play two more cards face down, and then flip over the next card. The person with the greatest value on that card gets to keep all 8 cards!

Riveting Reflections* Station 2 *

Directions: Follow the directions below! Draw your answers under "Station 2" on your passport.

On coordinate plane #1:

a) Plot and *label* the points listed below. Then, plot the last ordered pair needed to make a rectangle:

A (-1, 5) B (-1, 1) C (-3, 1) D _____

b) Reflect this shape across the y-axis, and outline this reflection in RED.

c) Reflect your original shape across the x-axis, and outline this reflection in BLUE.

On coordinate plane #2:

d) Plot three points so that they create a right triangle with an area of 14 square units. LABEL the ordered pairs for each point!

e) Reflect this triangle across the x-axis. Outline the reflection in RED.

On coordinate plane #3:

f) Label all four quadrants. Also, list (+, +), (-, -), (-, +), and (+, -) in the correct quadrants, so we can see what signs the coordinates in each quadrant should have.

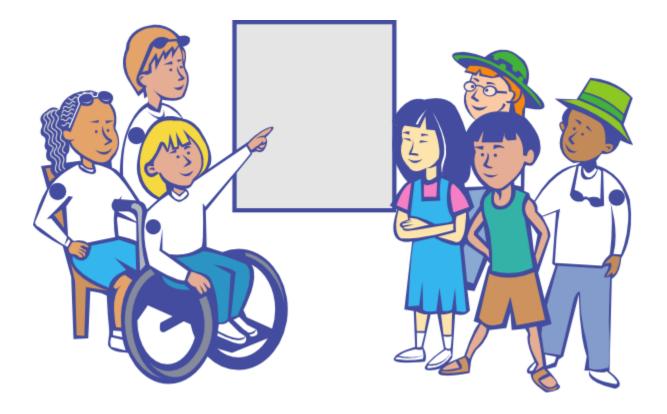
On coordinate plane #4:

g) Create a shape or design that is located in both quadrants 2 & 3.

h) Reflect this shape over the y-axis. Outline this reflection in RED.

Tech Time! * Station 3 *

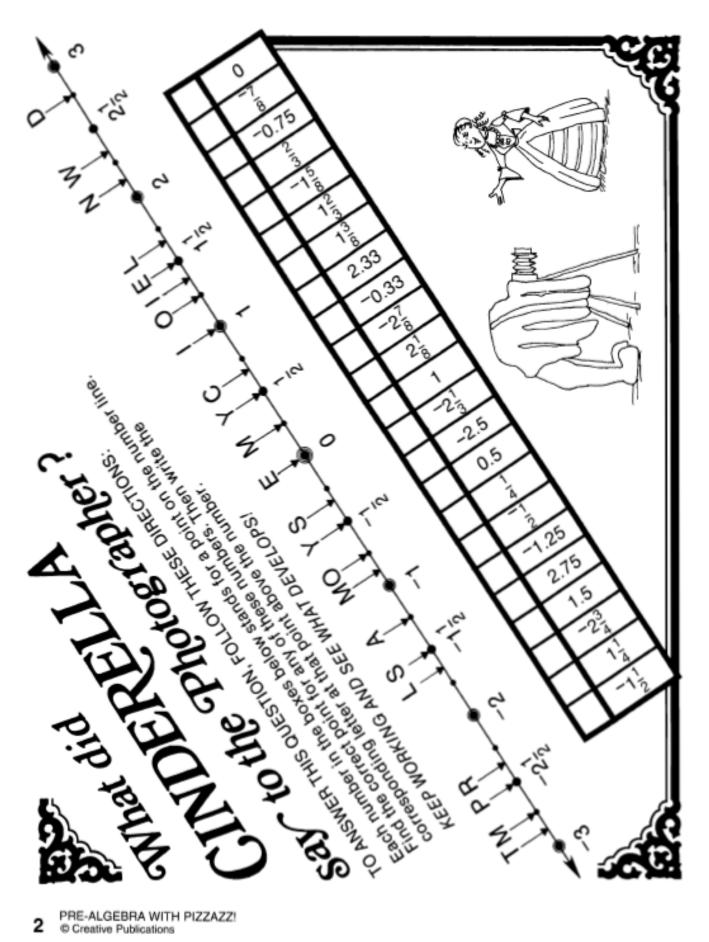
Directions: At this station, you will go to the screen (or laptops) and visit the blog. Choose any of the games listed in today's post! Work together, play fairly, and take turns! ©



Can I have your order, please? * Station 4 *

Directions: Locate the given numbers on the number line as you remember to order least to greatest from left to right. When finished, you will spell out the answers to the riddles! Write these on your sheet.





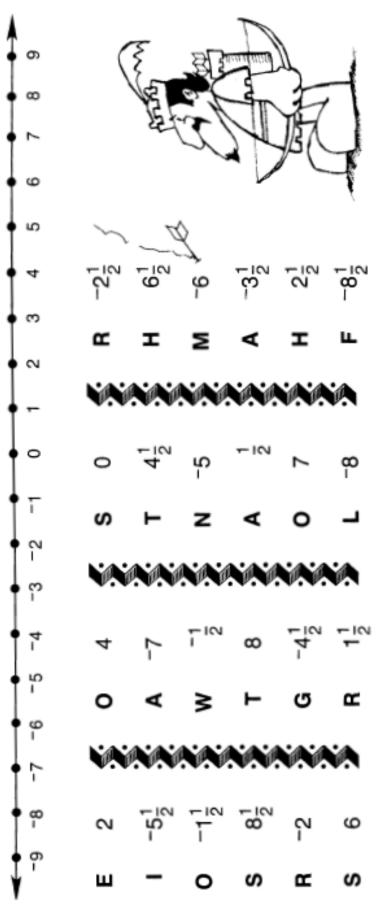
PRE-ALGEBRA WITH PIZZAZZ! 2 Creative Publications



DIRECTIONS:

Below you see pairs of letters and numbers. Write each letter above the number line at the point that corresponds to its number. A special message will appear!

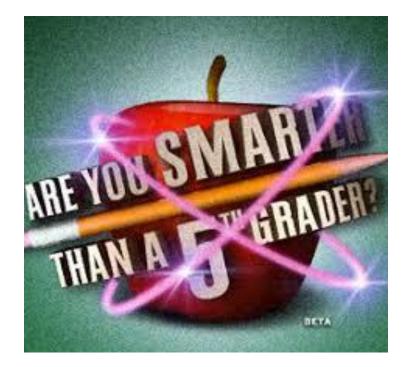




PRE-ALGEBRA WITH PIZZAZZ! © Creative Publications

Are You Smarter than a 5th Grader? * Station 5 *

Directions: Complete the review problems about Unit 7: Rational Numbers. You may work together and/or use your Math Survival Guide!



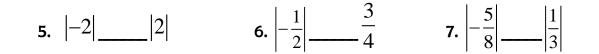
Name:

<u>Station 5</u>

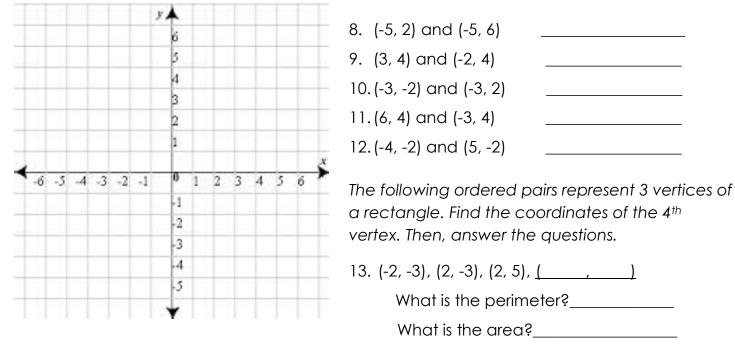
Write 2 examples of situations that can be represented with a positive number, and 2 examples that can be represented with a negative number.

Positive	
1	
2	
Negative	
3	
4	

#5-7: Use <, >, or = to make the following statements true.



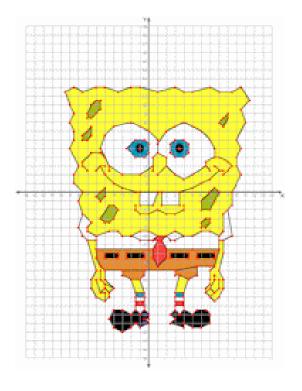
Find the distance between the following points on a coordinate plane.

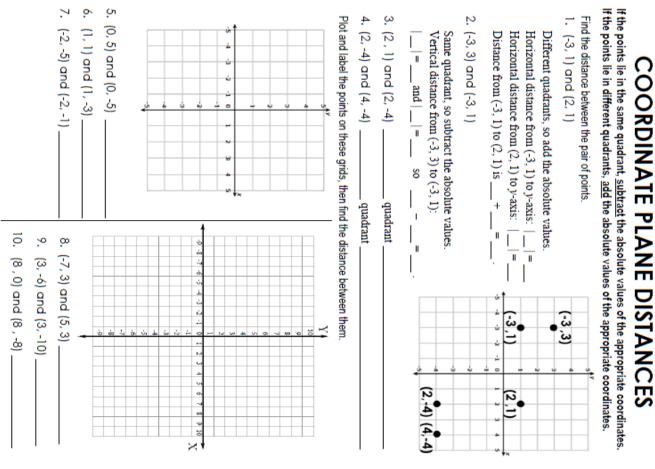


- 14. (5, -2), (6, 4), (6, -2), <u>(______</u>)
- What is the perimeter?_____ What is the area?_____



Directions: Answer the problems about distances and polygons on the coordinate plane. ⁽ⁱ⁾





Find the distance between the pair of points, following the example:

	-5, -7)?	–7) and (ıts (4,	poin	en the	oetwe	What is the distance between the points (4, –7) and (–5, –7) \hat{s}		15.
	D7		L	0I		ω	B. 3	A. 17	
point (10,)	ate of the	/-coordin	the	JId be		g value 0 , 6)?	Which of the following values could be the y-coordinate of the point (10, that is 13 units from (10 , 6)?		14.
Restrooms	↓ 4	water Slide							
	ŵ							restrooms?	
3 4 5 6	-1 0 1 2 -1 -1 2	-4 -3 -2	5		m the	de fro	How far is the water slide from the		13.
Rollercoaster	- N	Bumper Cars		U U	om the	veel fro	How far is the Ferris wheel from the rollercoaster?	2. How far is the rollercoaster?	12.
		•							
Ferris Wheel	5 6 ×			7	as in an ilomete	eral are sents 1 k	e location of sev Each unit repres	The map shows the location of several areas in an amusement park. Each unit represents 1 kilometer	an Th
		, 2)	<u>ц</u>	and	, 2)	-	7 units from (–3 , 2)	11. 7 units fro	_
		, 9)	<u>ц</u>	and	, 9)	-	10 units from (–1, 9)	10. 10 units fr	_
		4,)_	_	and	_	(4,	n (4, –1)	. 6 units from (4, –1)	.9
		7,	(-7,	and	_	(-7,	n (-7, -5)	. 3 units from (–7, –5)	œ
		` 	(2,	and	_	(2,	n(2,4)	. 8 units from (2 , 4)	7.
		, -2) _	-	and	, -2)	-	n (-1, -2)	 5 units from (–1, –2) 	6.
zontal/vertical:	oints and hori	om these po	ance fr	ven dist	e the gi	s that an	ites of <u>two</u> point	Write the coordinates of two points that are the given distance from these points and horizontal/vertical:	5
							(-5, -4)	. (-5, 2) and (-5, -4)	5
							d (-2, 5)	. (-2, -6) and (-2, 5)	4
							d (5, -10)	. (8, -10) and (5, -10)	ω
							(6, -8)	. (6, 4) and (6, -8)	2.
							(11, -2)	. (7, -2) and (11, -2)	
4 units	+ 3 = 4		= 3	= 1; -3	=		4) and (-3, 4	example: (1, 4) and (-3, 4)	Ø
				,			,		

A. 1 unit

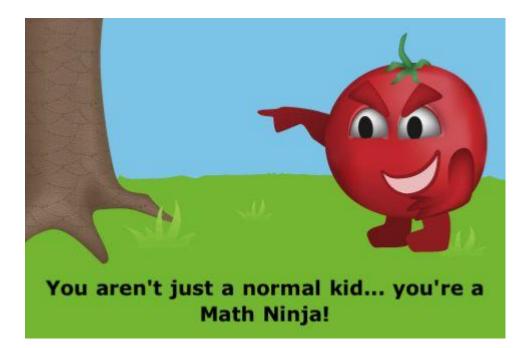
B. 3 units

C. 7 units

D. 9 units

Dominos Review (similar to Scavenger Hunt) * Station 7 *

Directions: Complete the review for Unit 7. It is just like the scavenger hunts we have done, but you will arrange them in order. Once they are all done, write down the letter on each card in order. Begin with the one that says "START" at the top. This should spell out an awesome, totally factual statement. ©





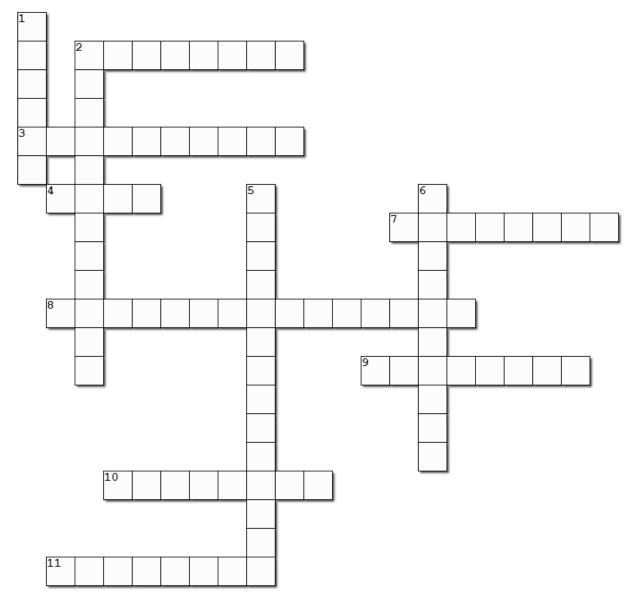
Directions: Complete the Crossword Puzzle with vocabulary terms from Unit 7. Any term that is made of 2 words will need a space in between the words!



* Station 8 *

Unit 7 Vocabulary

Complete the crossword below.



Horizontal

2. a number and its ______ are both the same distance from zero; the same numeral, but with different signs

- **3.** a statement comparing values that are 'greater than,' 'less than,' etc. **4.** the opposite of zero; the only number that is neither positive nor negative
- 7. less than zero

 $\boldsymbol{8.}$ a number that can be written as a fraction, repeating decimal, or terminating decimal

9. whole numbers and their opposites

10. one of the four sections of the coordinate plane, separated by the x- and y-axes $% \left({{{\mathbf{x}}_{\mathrm{s}}}^{\mathrm{T}}} \right)$

11. greater than zero

Vertical

1. the location where the x- and y-axis intersect (0, 0)

2. the location of a point on the coordinate plane, including an x- and a y-coordinate

Created using TheTeachersCorner.net Crossword Puzzle Maker

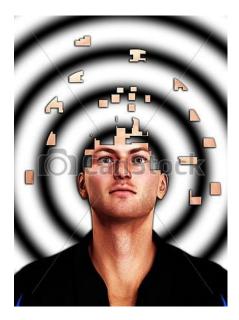
- 5. the distance from zero
- 6. a transformation in which a shape or point is 'flipped' across a line



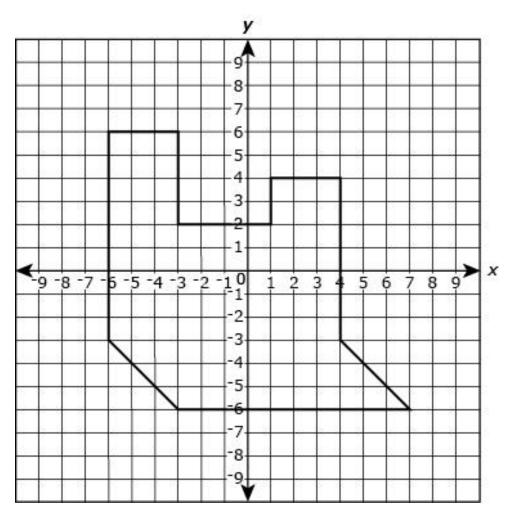
Any term that has 2 words must have a space between the words!

You Have a Great "Point?" * Station 9 *

Directions: Complete the task to find the area of the composite figure. Complete this on the bottom of your sheet.



GoFar Performance Task – Composite Area & Distance



Part A

Label the ordered pairs of ALL 10 vertices.

Part B

- a. Clearly decompose the polygon into smaller polygons.
- **b.** Label the base and height of each figure, AND label the area of each one.

Part C

Explain TWO methods that could be used to find the area of the polygon.

1)

2)

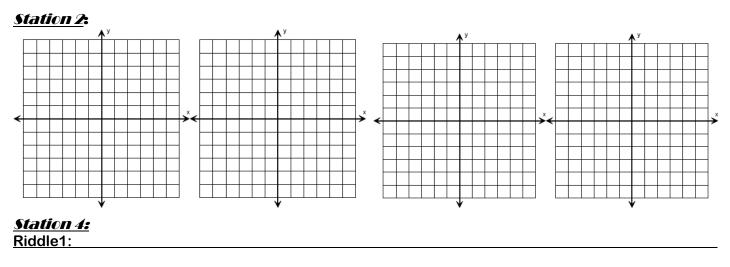
Part D

What is the total area, in square units, of the polygon?

Stations Passport ~ Unit 7

Your Name:_____

Group Members:_____



Riddle 2:

<u>Station 7:</u>

Riddle:

<u>Station 9:</u>

