## Dational

## Number War:

## * Station 1 *



## Directions: 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!

Declaring War: 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!

## Diveting Reflections

## * Station 2 *

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

## On coordinate plane \#1:

a) Plot and labe/ 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 $\qquad$
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, mlease? * 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 PIZZAZZI

- Creative Putlications


# Are You Smarter <br> than a $5^{\text {th }}$ Grader? * Station 5 * 

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


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.
5. $|-2|$

6. $\left|-\frac{1}{2}\right|-\frac{3}{4}$
7. $\left|-\frac{5}{8}\right|-\left|\frac{1}{3}\right|$

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

8. $(-5,2)$ and $(-5,6)$ $\qquad$
9. $(3,4)$ and $(-2,4)$
10. $(-3,-2)$ and $(-3,2)$
$11 .(6,4)$ and $(-3,4)$
12. $(-4,-2)$ and $(5,-2)$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
The following ordered pairs represent 3 vertices of a rectangle. Find the coordinates of the $4^{\text {th }}$ vertex. Then, answer the questions.
13. $(-2,-3),(2,-3),(2,5)$, $\qquad$
What is the perimeter? $\qquad$
What is the area? $\qquad$
14. $(5,-2),(6,4),(6,-2), 1$ $\qquad$
What is the perimeter? $\qquad$
What is the area? $\qquad$

Are We There Yet?

$$
\text { * station } 6 \text { * }
$$

Directions: Answer the problems about distances and polygons on the coordinate plane. ©


## 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. ©


## Word Whiz *Station 8 *

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!


## Unit 7 Vocabulary

## Complete the crossword below.



Created using TheTeachersCorner.net Crossword Puzzle Maker

## Horizontal

2. a number and its $\qquad$ 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
5. less than zero
6. a number that can be written as a fraction, repeating decimal, or terminating decimal
7. whole numbers and their opposites
8. one of the four sections of the coordinate plane, separated by the $x$ and $y$-axes
9. 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
3. the distance from zero
4. a transformation in which a shape or point is 'flipped' across a line


## You Have a Great "-Doint!" * Station 9 *

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

$\qquad$


## 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: $\qquad$
station 2:


## station 4:

Riddle1:
Riddle 2:
station 7:
Riddle:
station 9:


Complete Parts A \& B.
Part C:
1)
$\qquad$
$\qquad$
2)
$\qquad$
$\qquad$
Part D:

