What are the rules for adding and subtracting integers? (2pts)

Rule 1: _____

Rule 2: _____

What does subtraction mean? (1 pt)

_____

What are the rules for multiplying and dividing integers? (2 pts)

Rule 1: _____

Rule 2: _____

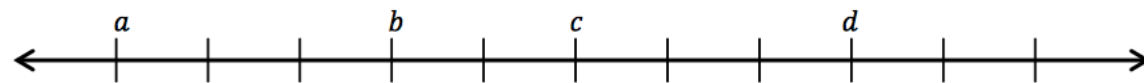What is the order of operations? (4 pts)

1. _____

2. _____

3. _____

4. _____

What is the definition of absolute value? (1 pt)

_____

What does division mean? (1 pt)

_____

If zero lies between b and c, give one set of possible values for a, b, c, and d. (2 pts)

a = _____   b = _____   c = _____   d = _____

Select all statements that represent -7° F is colder than 4° F. (1 pt)

A. 4° F < -7° F   B. -7° F > 4° F   C. 4° F > -7° F   D. -7° F < 4° F

Solve the following expressions: (3 pts each)

13 - 5² + 6

$2\frac{2}{3} + 3\frac{3}{7}$

|3 - 8| + -2 • -5

$4\frac{2}{3} - 1\frac{5}{7}$

24 ÷ -4 - 5 • |-3|

$3\frac{2}{3} \cdot 1\frac{1}{5}$

$2\frac{3}{8} \div \frac{3}{5}$

|-3| - |3 + 11|

Use factor trees to solve and find the Greatest Common Factor. (8 pts)

Connor and Grace are having a party and want to make treat bags for their guests. They want each bag to be identical with nothing left over. Connor has 18, Hot Wheels, 27 sugar cookies, and Grace bought 36 Kit Kats to put in the bags. What is the greatest number of treat bags they can make and how many of each item will be in each treat bag?

Number of treat bags: _____

Number of Hot Wheels: _____

Number of Kit Kats: _____

Number of Sugar Cookies: _____

Use multiples to find your solution. (7 pts)

All the students at Baird Middle School are going to Explorer's music concert. As a special treat every sixth student will receive a $5 Starbucks gift card. Then the principal decided that every seventh student would receive a free download of their album. An hour before the concert started, Mr. Wong talked the band into giving every sixty-third student a backstage pass.

Which student will be the first to receive a gift card,
free download of the album, and a backstage pass? _____

If there are 581 students at Baird Middle School, how many of each item will they have to give away?

Starbucks Gift Card: _____

Album Download: _____

Backstage Pass: _____

Macy bought four and three–fifths pounds of rock candy from the candy store on the corner. She decided to share two and seven–eighths pounds with her friends at school the next day. How much rock candy does she have left? (3 pts)

Box **all numbers** from the list below that are greater than 4 and less than 4.54. (2 pts)

    a.   24/6   b.   440/100   c.   4.6   d.   4.509

From the following table below, find mean, median, mode, and range. (4 pts)

Type Fruit	Total
Cherries	24
Oranges	15
Strawberries	15
Apples	26
Bananas	11

Mean =   _____

Median =   _____

Mode =   _____

Range =   _____

Mr. Wong is driving his van from Fresno to Las Vegas and it takes him 8 hours. His wife changes the radio station every three-fourths of an hour. Draw an illustration and solve mathematically to show how many times Mrs. Wong changed the radio station during the trip. (6 pts)

How do you rewrite the following expression in exponential form? (2 pts)

3 x 3 x 3 x 3 x 5 x 5

There were $13\frac{1}{4}$ quarts of milk in the container on the counter. Each day, Sadie drinks $1\frac{1}{3}$ quarts of milk. If there is $2\frac{7}{12}$ quarts milk left in the container, how many days has she been drinking milk for. Kade says that she has been drinking milk for six days, do you agree or disagree with Kade. Justify your answer in words and prove it mathematically with work. (5 pts)

The table below shows the earnings and the number of hours worked for three employees. Complete the table and write a description of information that we know for each employee that would be important for their boss. (6 pts)

Employee	Total Earned in dollars	Number of hours worked	Earnings per hour in dollars
Bella	$64.40		$11.20
Rodrigo	$41.30	3.5	
Terrence		7	$10.75

Indicate whether the situation can be represented by a positive, negative, or zero value. (4 pts)

Fresno is two hundred and ninety-six feet above sea level. _____

Azrina's grandmother shrunk three inches last year. _____

Adriana grade rose three percent this quarter. _____

Chase golf score remained the same this week. _____

What fits best for each situation (<, >, or =)? (4 pts)

.75 _____ 7/8

-0.7 _____ -1.3

|5| _____ |-5|

2/3 _____ .6

Put the values of each in order from greatest to least. (4 pts)

|-3|, 2, 1/3, .3, -1.8, -8/3, 1.75

What quadrants are the following coordinates in? (5 pts)

(-5, 3) _____

(7, -2) _____

(1, 8) _____

(-3, -6) _____

(0, 0) _____