

Name: J
 I Can Explain How Positive and Negative Numbers Relate to Real-World Examples and the Meaning of 0 in each.

- A1: A gain of 56 points in a game.
- A2: A fee charged of \$2.50.
- A3: A temperature of 32 degrees below zero.
- A4: The diver is 30 feet above sea level.
- B1: A debt of \$40.
- B2: A deposit of \$225.
- B3: Alex's body temperature dropped 2 degree.
- B4: A loss of 13 pounds.

I Understand the Relationship of a Number and Its Opposite and Can Recognize that the Opposite of a Number's Opposite is the Number Itself.

I Can Explain how the Absolute Value of a number relates its Distance from 0.

- A1: The opposite of -4 _____
- A2: The opposite of 9 _____
- A3: The opposite of |-12| _____
- A4: -(-10) _____
- A5: -|5| _____
- B1: The opposite of 7 _____
- B2: The opposite of -15 _____
- B3: The opposite of |16| _____
- B4: |-20| _____
- B5: -|-8| _____

Review Packet

Review Packet

Unit 1: Temperatures and Counting
 Name: _____

I Can Convert Fractions to Decimals and Decimals to Fractions.

Convert the following Fractions to Decimals. (3 decimal places if necessary)

- A1: $\frac{9}{20}$
- A2: $\frac{3}{7}$
- A3: $\frac{13}{200}$

Convert the following Fractions to Decimals. (#decimal places if necessary)

- A4: $0.8 =$ _____
- A5: $0.16 =$ _____
- A6: $3.25 =$ _____

Convert the following Fractions to Decimals. (3 decimal places if necessary)

- B1: $\frac{11}{25}$
- B2: $\frac{1}{12}$
- B3: $\frac{135}{250}$

Convert the following Fractions to Decimals. (#decimal places if necessary)

- B4: $0.4 =$ _____
- B5: $0.08 =$ _____
- B6: $7.125 =$ _____

Rational Numbers

Order the following from least to greatest.

A1: 5.349, 5.34, 5.304, 5.43, 5.333

B1: 0.86, 0.8, 0.8, 0.809, 0.089

A2: 0.35, $\frac{2}{5}$, 0.52, $\frac{1}{4}$, 0.403

B2: $\frac{5}{6}$, $\frac{3}{4}$, 0.55, $\frac{5}{9}$, 0.633

A3: $-2\frac{1}{3}$, 4.85, $3\frac{1}{2}$, 3.9, $-2\frac{2}{5}$

B3: -1.325, $\frac{1}{8}$, $-1\frac{7}{8}$, 1.5, -2.375

A4: Plot the following rational numbers on the number line.

$\frac{6}{5}$, 5.75, $-\frac{4}{9}$, $-5\frac{2}{3}$, -3.25, $-\frac{7}{9}$, $-|-0.25|$, $-\frac{20}{10}$



† Can Locate a Rational Number on the Number Line.

† Can Compare two Rational Numbers on a Number Line and in an Inequality.

† Can Explain the Meaning of Ordering Rational Numbers in a Real-World Situation.

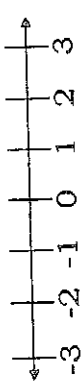
Integers: $>$ or $<$

A1: -4 -5 A2: $-|27|$ $|27|$ A3: -10 $|-14|$

B1: -9 15 B2: $-|-7|$ $|-21|$ B3: $|-10|$ 0

A5: Plot the following on the number line.
greatest to least.

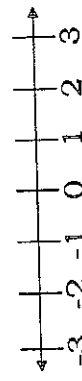
$-|2|$, $-|-3|$, $|1|$, $|-2|$



$-|26|$, -28 , $|27|$, $-|30|$, $-(-25)$

B6: Put the following numbers in order from greatest to least.

$|15|$, $-|-15|$, $|-10|$, $-(-13)$, 11



Decimals and Fractions: $>$ or $<$

A1: 0.347 0.34 A2: $\frac{3}{8}$ 0.3 A3: $\frac{3}{4}$ $\frac{7}{9}$

B1: 35.83 35.803 B2: 0.45 $\frac{4}{9}$ B3: $\frac{5}{6}$ $\frac{8}{10}$

Directions: Do ALL (A) Questions. Check Your Answers to (A) Questions. If ALL (A) Questions are correct, skip (B) Questions and move onto next "I can" statement. If you get any (A) Questions wrong, MAKE CORRECTIONS and do ALL (B) Questions.

"I Can Write a Ratio Comparing Two Quantities Given a Real-World Situation."

Write each ratio for the given situation.

At the local market there were 12 apples, 15 oranges, and 20 bananas in the large fruit basket.

A1: oranges to apples	A2: apples to total fruit	A3: bananas to apples and oranges combined	A4: total to bananas
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Bethany made 14 out of 20 baskets in her basketball game.

B1: makes to misses	B2: misses to total shots	B3: total shots to makes	B4: total shots to misses
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"I Can Find the Value of a Ratio as a Fraction, Decimal, or Percent."

Ratio	Fraction	Decimal	Percent
3 : 8	A1:	A2:	A3:
A4:	A5:	2.25	A6:

Ratio	Fraction	Decimal	Percent
B1:	$\frac{6}{5}$	B2:	B3:
B4:	B5:	B6:	65%

"I Can Generate Equivalent Ratios and Determine if Ratios are Equivalent."

A1:

Miles	Minutes
	7
9	
12	
	42
27	63
30	

A2: Do the following fractions form a proportion?

$$\frac{20}{24} \text{ and } \frac{12}{16}$$

B1:

Pencils	Price
	4
10	8
	12
20	
	20
30	

B2: Do the following fractions form a proportion?

$$\frac{16}{6} \text{ and } \frac{10}{3}$$

A3: An animal shelter has 36 kittens and 12 puppies. Beth says that the ratio of kittens to puppies is 3 : 1. Is she correct?

B3: Benny can stack 42 cups in 24 seconds. Does this mean he can stack 70 cups in 40 seconds?

"I Can Solve Real-World Problems by Comparing Rates, Prices, and Units of Measurement."

A1: The Millers drove 105 miles on 4 gallons of gas. At this rate, how many miles can they drive on 6 gallons of gas?

B1: While resting, a human takes in about 5 liters of air in 30 seconds. At this rate, how many liters of air does he take in during 150 seconds?

A2: If 15 baseballs weigh 75 ounces, how many baseballs weigh 15 ounces?

B2: If you drive your car at a constant speed of 45 miles per hour, how long will it take for you to travel 378 miles?

A3: John played soccer for 60 minutes over 5 days. At this rate, how many minutes would John play soccer for in 1 week?

B3: If Jeremy can hop 9 feet in 2 hops. How many hops will it take Jeremy to hop 20 yards?

"I Understand How Percents and Ratios are Related and Can Use Percents to Solve Real-World Problems."

A1: What is 8% of 55?

A2: 17 is 34% of what number?

A3: 12 is what percent of 15?

A4: Mrs. Bennett has graded 20% of her students' papers. If she graded 30 papers, how many total papers did she have to grade?

B4: Angel is shooting baskets and makes 40% of the 15 shots he takes. How many did he make?

A5: After a group of 24 parts were tested, 5 were found defective. About what percent of the parts were defective?

B5: According to the school survey, 12% of the students at Rockwell Junior High School speak Spanish. There are 36 students at the school who speak Spanish. How many students were surveyed?