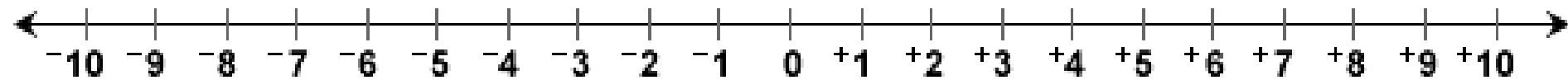


SBAC

**Review
(Day 1)**

Ordering Integers on a Number Line



1) -5 ____ 3

3) 0 ____ -2

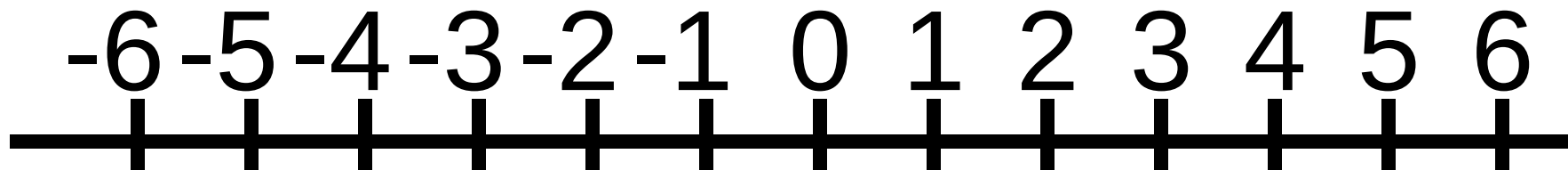
2) -4 ____ -6

4) -9 ____ -1

Order the following from least to greatest:

$-2, 4, 3, 0, -4$

Absolute Value



The absolute value is the distance an integer is from zero.

$$|-3|=$$

$$|3|=$$

$$|5|=$$

$$|-5|=$$

Order the values from least to greatest.

8, $|3|$, -5, $|-2|$, -2

Adding Integers

$$-7 + -2 =$$

$$-9 + -6 =$$

SAME SIGN

- Ignore the signs
- Add numbers
- Put sign back

$$-5 + 12 =$$

$$7 + -11 =$$

DIFFERENT SIGNS

- Ignore the signs
- Subtract
- Put sign back of number that “looks” the biggest

Subtracting Integers

**Subtraction is the same
as adding the opposite**

- 1. Change the minus sign to addition**
- 2. Change the second number into the opposite**
- 3. Do the problem like a regular addition problem**

$$4 - 9 =$$

$$8 - (-12) =$$

$$-7 - 6 =$$

$$-4 - (-11) =$$

Multiplying Integers

Multiply numbers like regular multiplication...
however...

POSITIVE X POSITIVE =

POSITIVE X NEGATIVE =

NEGATIVE X POSITIVE =

NEGATIVE x NEGATIVE =

$$1) \ 5 \times -3 =$$

$$3) \ -3 \times -6 =$$

$$2) \ -6 \times 4 =$$

$$4) \ -9 \times 3 =$$

Dividing Integers

Divide numbers like regular division... however...

POSITIVE $\div$ POSITIVE =

POSITIVE $\div$ NEGATIVE =

NEGATIVE $\div$ POSITIVE =

NEGATIVE $\div$ NEGATIVE =

$$1) \ 8 \div -4 =$$

$$3) \ -49 \div -7 =$$

$$2) \ -20 \div 4 =$$

$$4) \ -24 \div 3 =$$

Order of Operations

Evaluate the expression if

$a = -4$ and $b = -6$

P E M D A S
Left → Right Left → Right

1) $a^2 + ab$

2) $\frac{a + b}{b - a}$

Ordering Decimals

Order the following decimals from least to greatest

1) 2.3 , 2.09, 2.32, 2.27, 2.37

Converting Fractions to Decimals

Convert the following into a decimal:

$$2) \quad \frac{4}{5}$$

$$3) \quad -\frac{6}{5}$$

$$4) \quad 5\frac{3}{4}$$

$$5) \quad -\frac{5}{9}$$

Converting Decimals to Fractions

Convert the following into a fraction:

6) 0.8

7) 0.36

Comparing and Ordering Rational Numbers

Use <, >, or =

$$8) \quad -1\frac{3}{10} \quad \underline{\hspace{1cm}} \quad -1.03$$

$$9) \quad .625 \quad \underline{\hspace{1cm}} \quad \frac{2}{3}$$

Comparing and Ordering Rational Numbers

Order from least to greatest

$$10) \quad -\frac{1}{2}, 0.04, \frac{3}{8}, -0.45$$

Add. & Sub. Fractions & MN Review

$$1) \quad \frac{3}{4} + \frac{5}{8}$$

$$2) \quad 5\frac{1}{3} + 6\frac{2}{5}$$

Add. & Sub. Fractions & MN Review

$$3) \quad \frac{7}{10} - \frac{3}{10}$$

$$4) \quad 9\frac{5}{7} - 3\frac{1}{2} =$$

Sub. Mixed Numbers with Borrowing

$$5) \quad 6 - 3\frac{1}{4}$$

Sub. Mixed Numbers with Borrowing

$$6) \quad 3\frac{1}{5} - 1\frac{4}{5}$$

Multiplying Rational Numbers

$$7) -\frac{2}{7} \bullet \frac{1}{3} =$$

Multiplying Rational Numbers

$$8) \quad -2\frac{1}{3} \times 3\frac{2}{3} =$$

Multiplying Rational Numbers

9) 2.63×0.3

Dividing Rational Numbers

$$10) \quad \frac{7}{4} \div \frac{1}{3}$$

Dividing Rational Numbers

$$11) \quad 3\frac{1}{5} \div 1\frac{1}{3}$$

Dividing Rational Numbers

$$12) \quad -5\frac{1}{5} \div 2\frac{1}{3}$$

Dividing Rational Numbers

Divide. Show work. Do not use a calculator.

$$13) \quad 2.46 \div 0.3$$