

September 19, 2011

Warm-Up:

Compute:

1. $(-15) + 34$
 $= 19$

2. $-5.6 + (-10.8)$
 -10.8
 -5.6
 $\hline -16.4$

3. $5\frac{3}{4} + (-8\frac{1}{3})$
 $-8\frac{1}{3}$ $\frac{4}{12}$
 $5\frac{9}{12}$ $\frac{9}{12}$
 $\hline -2\frac{7}{12}$

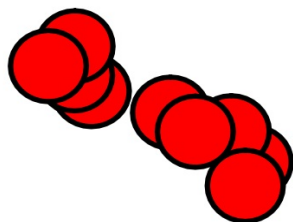
Pg 58 # 20-60 all

$$\begin{array}{r} 60 \\ -19 \\ \hline \end{array}$$

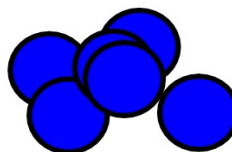
$$\frac{41}{+2} = \textcircled{43}, \text{ possible}$$

9/19 - Subtracting Integers

Positive



Negative

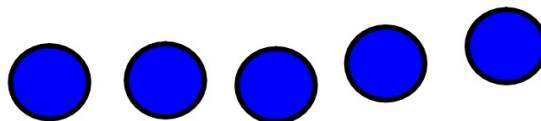


$$5 - 3 = 2$$

$$3 - 5$$

$$-2 - (-1)$$

$$-3 - 2$$



Numberline / Walking

Negative = go backward

Positive = go forward

Subtract = turn around

$$\begin{array}{l} 5 - 3 = 2 \\ 3 - 5 = -2 \\ -2 - (-1) = -1 \\ -3 - 2 = -5 \end{array}$$

Rule:

"Add the Opposite"

*Change subtract to add

*Change the sign of the 2nd number

$$5 - 3 = 2$$

$$3 - 5 = -2$$

$$-2 + (+1) = -1$$

$$-3 - 2 = -5$$

Compute each:

$$-1\frac{2}{3} + -4\frac{1}{3}$$

$$\begin{array}{r} -4\frac{1}{3} \\ -1\frac{2}{3} \\ \hline -5\frac{3}{3} \\ = -6 \end{array}$$

$$5 + -8\frac{3}{4}$$

$$\begin{array}{r} -8\frac{3}{4} \\ +5 \\ \hline -3\frac{3}{4} \end{array}$$

$$2\frac{1}{4} + \left(+\frac{3}{8}\right)$$

$$\begin{array}{r} 2\frac{1}{4} \\ + \frac{3}{8} \\ \hline 2\frac{5}{8} \end{array}$$

Evaluate for $a = 4$, $b = -2$, $c = -8$

$$\begin{array}{lll} a - b & -b + c & -c + (-b) \\ 4 + (+2) & -(-2) + (-8) & -(-8) + (-2) \\ = 6 & = 2 + (-8) & = 8 + (-2) \\ & = -6 & = 6 \end{array}$$

Homework:

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16-55 all

due: Tuesday