

-Five minutes of silence

Warm Up

Grab a homework from
the back table

Do your warmup on the same separate sheet of paper as Friday

1. Name an example of a real number, that is a whole number.

0, 8, 4

2. Name an example of a real number that is an integer, but not a natural number.

-1, 0, -3

3. Name an example of a real number that is a rational number, integer, whole number and natural number.

4, 2, 3

Adding and Subtracting Integers

Integer song: (to the tune row row row your boat)

Same signs add and keep

Different signs subtract

Keep the sign of the highest number

Then you'll be exact

Addition:

$$-9 + 17 = \boxed{8}$$

$$22 + (-36) = \boxed{-14}$$

$$-22 + (-12) = \boxed{-34}$$

$$-19 + 44 = \boxed{25}$$

$$\begin{array}{r} 344 \\ -19 \\ \hline 25 \end{array}$$

Subtraction (a subtraction symbol is the same thing as a negative sign)

$$\underset{\substack{\downarrow \\ \text{negative}}}{-9} - \underset{\substack{\downarrow \\ \text{negative}}}{17} = -26$$

$$\underset{\substack{\downarrow \\ \text{positive}}}{22} - \underset{\substack{\downarrow \\ \text{negative}}}{36} = \boxed{-14}$$

$$\underset{\substack{\downarrow \\ -}}{-22} - \underset{\substack{\downarrow \\ -}}{12} = \boxed{-34}$$

$$\underset{\substack{\downarrow \\ -}}{-19} - \underset{\substack{\downarrow \\ -}}{44} = \boxed{-63}$$

What do I do if I have a subtraction AND a negative symbol?

Make a big addition symbol!

$$\begin{array}{c} -9 \\ \downarrow \\ - \end{array} \begin{array}{c} \cancel{-} \\ \downarrow \\ + \end{array} 17) = 8$$

$$\begin{array}{c} 22 \\ \downarrow \\ + \end{array} \begin{array}{c} \cancel{-} \\ \downarrow \\ + \end{array} 36) = 58$$

You try!

$$(-3) - 33 = -36$$

$$(-29) + (-87) = -116$$

$$(-2) + 56 = 54$$

$$\begin{array}{r} 24 - 50 = -26 \\ \downarrow \quad \downarrow \\ + \quad = \end{array}$$

$$65 + 19 = 84$$

$$46 + 46 = 92$$

$$43 + 6 = 49$$

$$(-20) - 37 = -57$$

$$12 + (-84) = -72$$

$$5 + (-40) = -35$$

$$75 + 83 = 158$$

$$(-36) + (-29) = -65$$

