

November 17, 2014 ^{5th} ^{6th}

Starter

1. $-10 + 5 + 6$
 $= -16 + 5$
 $= -11$

2. $4.6 + 9.8 + 5$
 $= 9.6 + 9.8$
 $= -0.2$

3. $-2\frac{1}{4} + 1\frac{7}{8}$

$$\begin{array}{r} \cancel{2} \frac{1}{4} \quad \cancel{1} \frac{7}{8} \\ + 1 \frac{7}{8} \\ \hline -1 \frac{1}{8} \end{array}$$

$$\begin{array}{r} 4.6 \quad -9.8 \\ + 5.0 \quad + 9.6 \\ \hline 9.6 \quad -0.2 \end{array}$$

Digitool

11/17 - Combining LIKE terms

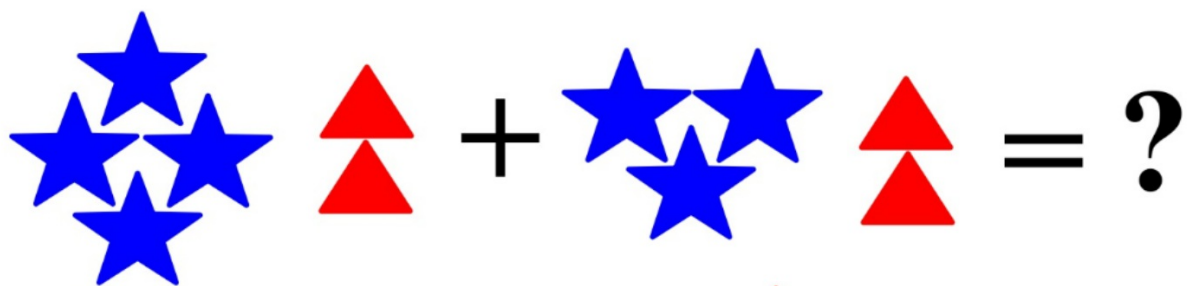


$$4s + 3s = 7s$$

"Variable" is a letter that represents a number

$$5t + 3t = 8t$$

$$10r - 7r = 3r$$



$$\underline{4s} + \underline{2t} + \underline{3s} + \underline{2t} = ?$$

$$7s + 4t$$

Simplify by combining like terms.

(same Variable)

$$\begin{aligned} & \underline{7r} + \underline{3} + \underline{6} \\ = & 7r + 9 \\ & \begin{array}{c} r \quad r \\ r \quad r \quad r \\ r \quad r \end{array} \quad ||| \quad ||||| \end{aligned}$$

Numbers without Variables are "Constants"

$$\underline{2} + \underline{-7a} + \underline{1a} + \underline{9}$$

$$= -6a + 11$$

The positive becomes the ADD

If the # in front of the variable is missing, it is a ONE!

* Terms with variables need to go FIRST!

$$\begin{aligned} & \underline{1n} + \underline{-2} + \underline{-2n} \\ = & -1n + -2 \\ = & -n - 2 \end{aligned}$$

$$\begin{aligned} & \underline{9x} + \underline{9} + \underline{-10} + \underline{-5x} \\ = & 4x - 1 \end{aligned}$$

The negative became the Subtract.

Now with decimals...

The number in front of the variable is the "coefficient"

$$\begin{aligned} &\underline{3.4x} - \underline{4.5} + \underline{6.2x} \\ &= 9.6x - 4.5 \end{aligned}$$

$$\begin{array}{r} 3.4 \\ 6.2 \\ \hline 9.6 \end{array}$$

$$\begin{aligned} &\underline{2.16r} + \underline{-6.3} + \underline{-7r} + \underline{6.8} \\ &= -4.84r + 0.5 \end{aligned}$$

$$\begin{array}{r} \overset{69}{-7.00} \\ +2.16 \\ \hline -4.84 \end{array} \quad \begin{array}{r} 6.8 \\ -6.3 \\ \hline .5 \end{array}$$

Homework

Gold WS 1

Due Wednesday