

Warm-up

$$1. \frac{6x}{6} = \frac{42}{6}$$
$$x = 7$$

$$3. \frac{n}{8} = 9$$
$$n = 72$$

$$2. \frac{10y}{10} = \frac{60}{10}$$

$$y = 6$$
$$4. \frac{a}{7} = 12$$
$$a = 84$$

Nov 13

\* use  
opposite  
operations

## TEST REVIEW

- Test tomorrow
  - > Algebraic Expressions
  - > Combine like terms
  - > Solve given the value of a variable
  - > Solve for the variable
  - > Identify coefficient and variable

1. Create an algebraic expression given the statement

a) the sum of 9 and a number  $9 + n$

b) a number divided by 10  $\frac{n}{10}$

c) 10 divided by a number  $\frac{10}{n}$

d) 5 multiplied by a number  $5n$

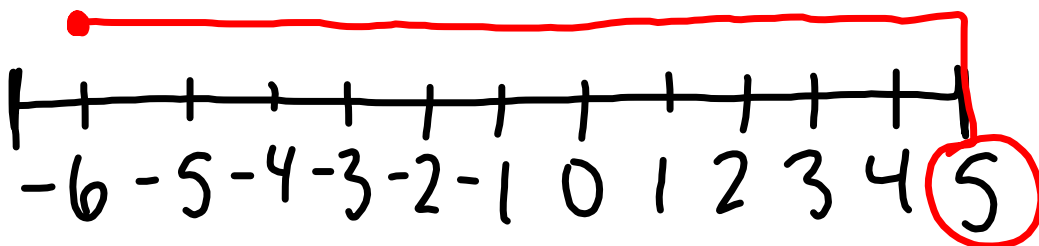
$$3 \div 4 = \frac{3}{4}$$

## 2. Combine like terms

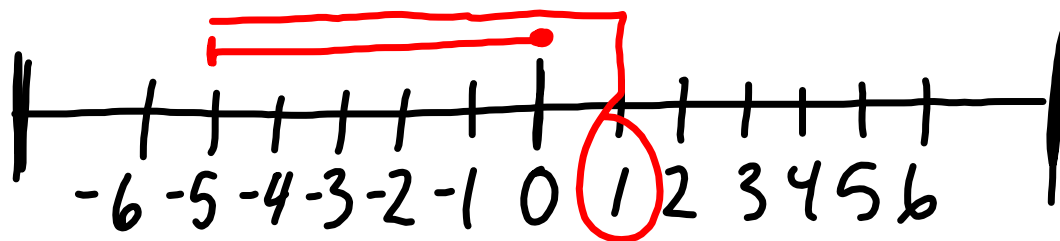
$$\text{a) } 3v + 6v - v + 5v$$
$$13v$$

$$\text{b) } 6a - 5b + a + 2a - 4a + 6b$$
$$5a + b$$

$$\text{c) } 1 + 7c - 7 - 4c + 10c + 11$$
$$5 + 13c$$



$$-5 + 6$$



3. Solve the expressions if  $x = 4$

a)  $4x$

$$4(4)$$

$$\textcircled{16}$$

b)  $\frac{x}{2}$

$$\frac{4}{2}$$

$$\frac{4}{2}$$

$$\textcircled{2}$$

c)  $10x$

$$10(4)$$

$$40$$

d)  $\frac{32}{x}$

$$\frac{32}{4}$$

$$\frac{32}{4}$$

$$8$$

4. Solve for x

$$\begin{array}{l} \text{a) } \cancel{5}x = 25 \\ \hline \cancel{5} \quad \cancel{5} \\ x = 5 \end{array}$$

$$\begin{array}{l} \text{b) } \cancel{40}x = 80 \\ \hline \cancel{40} \quad \cancel{40} \\ x = 2 \end{array}$$

$$\begin{array}{l} \text{c) } \overset{\times 3}{x} \\ \hline \cancel{3} = 7^{\times 3} \\ x = 21 \end{array}$$

$$\begin{array}{l} \text{d) } \overset{\times 6}{x} \\ \hline \cancel{6} = 9^{\times 6} \\ x = 54 \end{array}$$

$$9 \times 7 = 63$$

$$9 \times 9 = 81$$

$$9 \times 10 = 90$$



## Homework

- Practice Test