

## Operations with 0

$$0 \rightarrow 0 \times 2 = 0$$

$$\rightarrow 0^n = 0$$

$$\rightarrow \frac{0}{1} = 0$$

$$\rightarrow \frac{1}{0} = \text{can't} \quad 2^0 = 1$$

$$\rightarrow 2^0 = 1 \quad \frac{2^2}{2^2} = 1$$

$$-32 \quad n + 32 = 39 \quad -32$$

$$n = 7$$

$$2(n + 3) = (5)2$$

$$n = 2$$

$$2n + 6 = 10$$

$$\begin{array}{r} 2 \\ \hline 2 \\ \hline 4 \end{array} = \begin{array}{r} 2 \\ \hline 2 \\ \hline 4 \end{array}$$

$$n = 2$$

$$\begin{array}{c} -35 \quad 73 = C + 35 \quad -35 \\ C = -38 \end{array}$$

$$+8 \quad p - 8 = 9 \quad +8$$

$$p = 17$$

$$+7 \quad 15 = y - 7 \quad +7$$

$$y = 22$$

$$\begin{array}{l} \rightarrow -p + 7 = 4 \quad \rightarrow \\ -p = 4 - 7 \\ -1 \cdot -p = -3 \end{array} \quad \begin{array}{l} -p + 7 = 4 \\ \quad \rightarrow \quad \rightarrow \\ -1 \cdot -p = -3 \\ p = 3 \end{array}$$

$$\frac{-p}{-1} = -3$$

$$\frac{5y}{5} = \frac{35}{5}$$

$$y = 7$$

← coefficient  
5 y is variable

$$\frac{9}{9}y = \frac{81}{9} \quad \therefore y = 9$$

$$\frac{81}{9} = \frac{9y}{9} \quad y = 9$$

$$\frac{10x}{10} = \frac{120}{10}$$

$$x = 12$$

$$\frac{12}{1} \cdot \frac{C}{12} = 8 \cdot \frac{12}{1}$$

$$C = 96$$

$$\{ \quad 14 = \frac{c}{5} \quad \}$$

$$70 = c$$

$$B \cdot 18 = \frac{3}{B} \cdot B$$

$$\frac{18B}{18} = \frac{3}{18}$$

$$B = \frac{3}{18} = \frac{1}{6}$$

Inequalities

$$\frac{3t}{3} \leq \frac{27}{3}$$

approximately

$$t \leq 9$$

$$\frac{-3t}{-3} \leq \frac{27}{-3}$$

$$t \geq -9$$

$$<$$

$$\neq$$

$$>$$

$$\leq$$

$$\geq$$

$$||$$

$$\approx$$

$$\begin{array}{r} +3 \\ -3 + a > 9 \end{array}$$

$$a > 12$$

$$\begin{array}{r} -3 \\ 3 + a > 9 \end{array}$$

$$a > 6$$

$$\begin{array}{c} -4 \\ \frac{a}{-4} > 8 \end{array} \begin{array}{c} -4 \\ \end{array}$$

$$a < -32$$

$$-3 > |a|$$

1)  $a + 7 = 25$

2)  $121 = 11d$

3)  $3 = t - 8$

4)  $6 = \frac{k}{9}$

5)  $0 \times 4 = x$

6)  $d + 28 = 85$

7)  $d - 28 = 85$

8)  $\frac{96}{w} = 32$

9)  $9x = 135$

10)  $\frac{3}{0} = x$

11)  $21 = \frac{x}{41}$

12)  $\frac{28}{x} = 56$

13)  $\frac{5}{x} = 16$

14)  $\frac{0}{4} = x$

15)  $3t \leq 27$

16)  $x + 4 < 10$

17)  $\frac{-d}{6} \geq 1$

18)  $-15n < 75$