

1) Solve the proportion.

$$\frac{x + 3}{2x - 4} = \frac{5}{7}$$

1) Solve the proportion.

$$\frac{x + 3}{2x - 4} = \frac{5}{7}$$

$$x = \frac{1}{3}$$

2) Solve the proportion.

$$\frac{d - 4}{3} = \frac{2x + 5}{5}$$

2) Solve the proportion.

$$\frac{d - 4}{3} = \frac{2x + 5}{5}$$

$$d = -35$$

3) What is 120% of 5?

3) What is 120% of 5?

6

4) 20 is 30% of what?

4) 20 is 30% of what?

66. $\overline{6}$

5) 50 is what percent of 80?

5) 50 is what percent of 80?

62.5%

6) Solve this equation:

$$5x - 6 + 4x + 8 - 9x = 3x + 7$$

6) Solve this equation:

$$5x - 6 + 4x + 8 - 9x = 3x + 7$$

$$x = -\frac{5}{3}$$

7) Solve this equation:

$$\frac{2}{3}(x - 4) + 3 = 9$$

7) Solve this equation:

$$\frac{2}{3}(x - 4) + 3 = 9$$

$$x = 13$$

8) Solve this equation

$$5x + 2(x - 3) = 8$$

8) Solve this equation

$$5x + 2(x - 3) = 8$$

$$x = 2$$

9) Solve this equation:

$$5x - (3x + 4) = 10$$

9) Solve this equation:

$$5x - (3x + 4) = 10$$

$$x = 7$$

10) Solve this equation:

$$11 - 2(x + 1) = x$$

10) Solve this equation:

$$11 - 2(x + 1) = x$$

$$x = 3$$

11) Solve this equation:

$$6(x - 4) = 3(2x + 8)$$

11) Solve this equation:

$$6(x - 4) = 3(2x + 8)$$

No Solutions

12) Solve this equation:

$$5x + 8 = 4(x + 2) + x$$

12) Solve this equation:

$$5x + 8 = 4(x + 2) + x$$

Infinitely Many Solutions

13) Solve for x in this formula:

$$4x + 8y = 12$$

13) Solve for x in this formula:

$$4x + 8y = 12$$

$$x = -2y + 3$$

14) Solve for a in this formula:

$$F = ma$$

14) Solve for a in this formula:

$$F = ma$$

$$a = \frac{F}{m}$$

15) Solve for h in this formula:

$$A = \frac{1}{2}bh$$

15) Solve for h in this formula:

$$A = \frac{1}{2}bh$$

$$\frac{2A}{b} = h$$

16) Solve for y in this formula:

$$2x + 6y = 12$$

16) Solve for y in this formula:

$$2x + 6y = 12$$

$$y = -\frac{1}{3}x + 2$$

17) A bag of skittles has 5 red skittles for every 6 green. How many red skittles would there be if there are 50 green skittles?

17) A bag of skittles has 5 red skittles for every 6 green. How many red skittles would there be if there are 50 green skittles?

42 red skittles

18) Use your table to solve this equation:

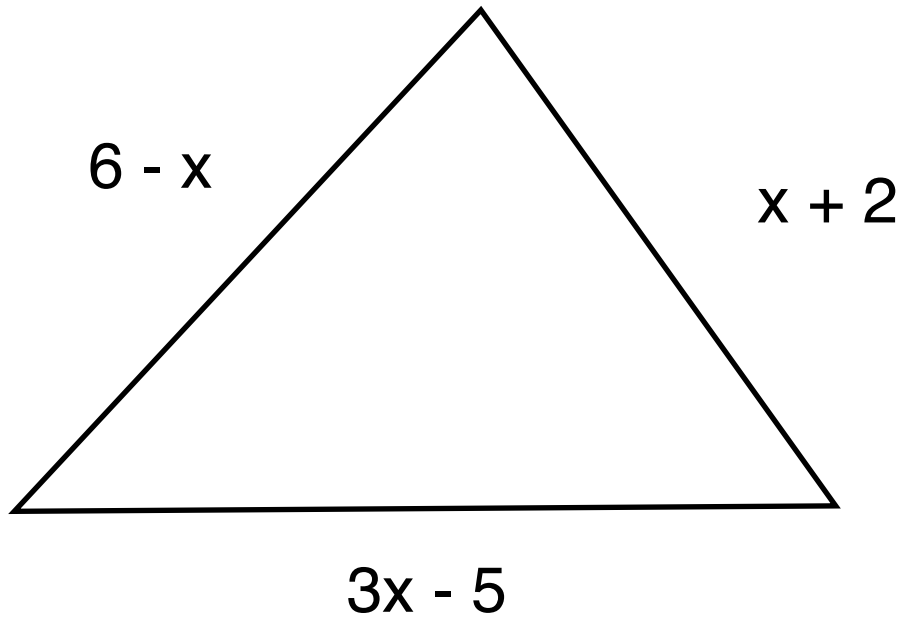
$$x + 5 = 4x - 13$$

18) Use your table to solve this equation:

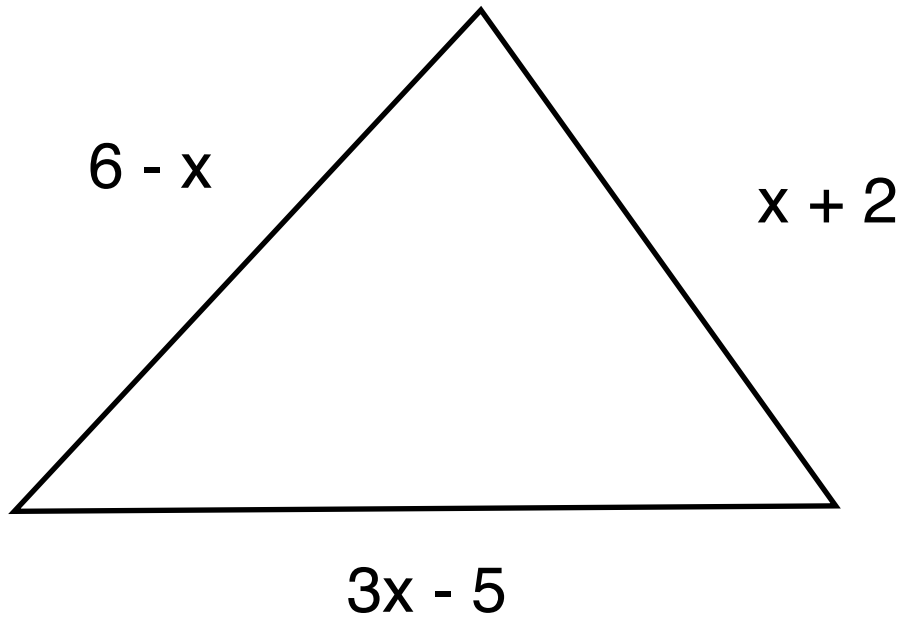
$$x + 5 = 4x - 13$$

$$x = 6$$

19) Solve for x if the perimeter is 12.



19) Solve for x if the perimeter is 12.



$$x = 3$$

20) Solve for x:

$$4x + 4 = \frac{1}{3}(6x - 18)$$

20) Solve for x:

$$4x + 4 = \frac{1}{3}(6x - 18)$$

$$x = -5$$