

Introduction To Two-Step Equations

Example

$$30 = 4h - 6$$

$$30 + 6 = 4h$$

$$36h = 4h$$

$$h = 36/4$$

$$h = 9$$

What would you move to solve each equations

1) $3x + 7 = 21$

a) First i would subtract the 7

b) Then i would divide by 3

2) $\frac{t}{3} - 8 = 1$

a) First i would add the 8

b) Then i would multiply by 3

Solve the equations

1) $5x - 10 = 20$ 2) $36 = 6m - 12$ 3) $8 - 3q = -16$ 4) $12 = 9y - 6$

$$5x = 30$$

$$48 = 6m$$

$$-3q = -24$$

$$18 = 9y$$

$$x = 6$$

$$m = 8$$

$$q = 8$$

$$y = 2$$

5) $24 + \frac{l}{6} = 18$ 6) $45 = 24 + 7t$ 7) $9q = 7q - 26$ 8) $4e = 30 - 11e$

$$\frac{l}{6} = -6$$

$$21 = 7t$$

$$2q = -26$$

$$15e = 30$$

$$l = -36$$

$$t = 3$$

$$q = -13$$

$$e = 2$$

9) $64 - 4l = 5l$ 10) $6b + 36 = 4b$ 11) $54 - 3p = -30$ 12) $6g = 88 + 28g$

$$64 = 9l$$

$$36 = -2b$$

$$-3p = 84$$

$$-22g = 88$$

$$l = 8$$

$$b = -18$$

$$p = 28$$

$$g = -4$$