

Two- Step Equations



Describe what steps you would take to solve the equations

$$1) \frac{n}{3} - 6 = 15$$

First i would add 6 on both sides

Then i would multiply by 3 on both sides

$$2) 55 = 35 + \frac{q}{5}$$

First i would subtract 35 on both sides

Then i would multiply by 5 on both sides

Solve the equations

$$\begin{aligned} 3) 7q + 50 &= 2q \\ 7q &= 2q - 50 \\ 5q &= -50 \\ q &= -10 \end{aligned}$$

$$\begin{aligned} 6) 64 - 3n &= -32 \\ -3n &= -96 \\ n &= 32 \end{aligned}$$

$$\begin{aligned} 9) \frac{d}{8} - 6 &= 6 \\ \frac{d}{8} &= 12 \\ d &= 96 \end{aligned}$$

$$\begin{aligned} 4) 3p &= 75 + 18p \\ 3p - 75 &= 18p \\ -15p - 75 &= 0 \\ -15p &= 75 \\ p &= -5 \end{aligned}$$

$$\begin{aligned} 7) 4c &= -32c + 22c \\ 4c + 32c &= 22c \\ 32c &= 18c \\ c &= 2 \end{aligned}$$

$$\begin{aligned} 10) 62 &= 22 + \frac{s}{4} \\ 40 &= \frac{s}{4} \\ s &= 160 \end{aligned}$$

$$\begin{aligned} 5) 60 - 9n &= 186 \\ -9n &= 126 \\ n &= -14 \end{aligned}$$

$$\begin{aligned} 8) 100 + 10x &= 200 \\ 100 &= 10x \\ x &= 10 \end{aligned}$$

$$\begin{aligned} 11) 32 - \frac{r}{5} &= 137 \\ \frac{-r}{5} &= 105 \\ r &= -525 \end{aligned}$$