

Solve each equation. (Remember: At each step, you must perform the same operation on each side of the equation.)

1.  $2x + 8 = 10$

$3y - 4 = 8$

$4n + 7 = 11$

$5z - 9 = 36$

2.  $8m + 11 = 43$

$4p - 9 = 27$

$7y + 3.5 = 17.5$

$5x = 12\frac{1}{2}$

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

$\frac{y}{3} - 7 = 3$

$\frac{z}{6} + 8 = 9$

$\frac{n}{4} - 8 = 12$

4.  $\frac{z}{3} - 1 = 6.5$

$\frac{m}{4} + \frac{3}{2} = \frac{8}{2}$

$\frac{y}{5} - 3\frac{1}{3} = 2\frac{2}{3}$

$\frac{p}{6} + 8 = 14\frac{1}{4}$

5.  $\frac{3}{4}x + 7 = 16$

$\frac{2}{3}y - 9 = 9$

$\frac{4}{5}z + 12 = 20$

$\frac{8}{5}n - 4 = 20$

6.  $\frac{7}{4}x - 9 = 26$

$\frac{4}{3}z + \frac{5}{3} = \frac{14}{3}$

$2\frac{1}{2}x + 4 = 19$

$4\frac{2}{3}y - 7 = 21$

(Hint: Write  $2\frac{1}{2}$  as  $\frac{5}{2}$ .)