

3-3-4

a) 45 is 62 more than number

$$\begin{array}{r} 45 = 62 + n \\ -62 \quad -62 \\ \hline -17 = n \end{array}$$

3 times a number is 54

$$\begin{array}{r} 3n = 54 \\ \frac{3}{3} \quad \frac{3}{3} \\ \hline n = 18 \end{array}$$

b) $15n = 250$

$$\begin{array}{r} 15n = 250 \\ \frac{15}{15} \quad \frac{15}{15} \\ \hline n = 16\frac{2}{3} \end{array}$$

$$\begin{array}{r} 4 + n = 12 \\ -4 \quad -4 \\ \hline n = 8 \end{array}$$

c) $12 + n = 534$

$$\begin{array}{r} 12 + n = 534 \\ -12 \quad -12 \\ \hline n = 522 \end{array}$$

$$\begin{array}{r} 126 = 9n \\ \frac{9}{9} \quad \frac{9}{9} \\ \hline 14 = n \end{array}$$

d) $\frac{3}{2} \cdot \frac{2}{3} n = \frac{108}{1} \left(\frac{3}{2} \right)$

$n = 162$

$$\begin{array}{r} n + 423 = -34 \\ -423 \quad -423 \\ \hline n = -457 \end{array}$$

e) $-5 + n = -15$

$$\begin{array}{r} -5 + n = -15 \\ +5 \quad +5 \\ \hline n = -10 \end{array}$$

$$\begin{array}{r} -35 = -5n \\ \frac{-5}{-5} \quad \frac{-5}{-5} \\ \hline 7 = n \end{array}$$

f) $3\frac{3}{5} + n = 1\frac{3}{8}$

$$\begin{array}{r} 3\frac{3}{5} + n = 1\frac{3}{8} \\ -3\frac{3}{5} \quad -3\frac{3}{5} \\ \hline n = -2\frac{1}{40} \end{array}$$

$$\begin{array}{r} 3\frac{2}{5} \quad \frac{16}{40} \\ 1\frac{3}{8} \quad \frac{5}{40} \\ \hline 2\frac{1}{40} \end{array}$$

$$\begin{array}{r} -5\frac{3}{8} = n + 3\frac{3}{8} \\ -3\frac{3}{8} \quad -3\frac{3}{8} \\ \hline -9\frac{1}{8} = n \end{array}$$

$$\begin{array}{r} 5\frac{3}{4} \quad \frac{11}{8} \\ 3\frac{3}{8} \quad \frac{3}{8} \\ \hline 8\frac{9}{8} = 9\frac{1}{8} \end{array}$$

g) $n + \frac{2}{5} = \frac{3}{8}$

$$\begin{array}{r} n + \frac{2}{5} = \frac{3}{8} \\ -\frac{2}{5} \quad -\frac{2}{5} \\ \hline n = -\frac{1}{40} \end{array}$$

$$\begin{array}{r} 15 = n + 3\frac{1}{2} \\ -3\frac{1}{2} \quad -3\frac{1}{2} \\ \hline 11\frac{1}{2} = n \end{array}$$

h) $n - 15 = 27$

$$\begin{array}{r} n - 15 = 27 \\ +15 \quad +15 \\ \hline n = 42 \end{array}$$

$$\begin{array}{r} 45 - n = 27 \\ -45 \quad -45 \\ \hline -n = -18 \\ n = 18 \end{array}$$