

$$\begin{array}{r} \textcircled{f} \quad -9d - 23 = -32 \\ \quad \quad +23 \quad +23 \\ \hline -9d = -9 \\ \quad \quad -9 \quad -9 \\ \hline d = 1 \end{array} \quad \begin{array}{r} 12 = 5w + 17 \\ \quad \quad -17 \quad -17 \\ \hline -5 = 5w \\ \quad \quad 5 \quad 5 \\ \hline -1 = w \end{array} \quad \begin{array}{r} -1 - a = -1 \\ \quad \quad +1 \quad +1 \\ \hline a = 0 \end{array} \quad \begin{array}{r} 5 = -9 - 7t \\ \quad \quad +9 \quad +9 \\ \hline 14 = -7t \\ \quad \quad -7 \quad -7 \\ \hline -2 = t \end{array}$$

52 is 62 more than 3 times a number.

$$\begin{array}{r} 52 = 62 + 3n \\ -62 \quad -62 \\ \hline -10 = 3n \\ \quad \quad 3 \quad 3 \\ \hline -3\frac{1}{3} = n \end{array}$$

$$\begin{array}{r} 3n + 6 = 504 \\ \quad \quad -6 \quad -6 \\ \hline 3n = 498 \\ \quad \quad 3 \quad 3 \\ \hline n = 166 \end{array}$$

$$\begin{array}{r} \textcircled{b} \quad 4 + 15n = 250 \\ \quad \quad -4 \quad -4 \\ \hline 15n = 246 \\ \quad \quad 15 \quad 15 \\ \hline n = 16\frac{2}{5} \end{array} \quad \begin{array}{r} 4 + 5n = 12 \\ \quad \quad -4 \quad -4 \\ \hline 5n = 8 \\ \quad \quad 5 \quad 5 \\ \hline n = 1\frac{3}{5} \end{array}$$

$$\begin{array}{r} \textcircled{c} \quad 12 + 8n = 534 \\ \quad \quad -12 \quad -12 \\ \hline 8n = 522 \\ \quad \quad 8 \quad 8 \\ \hline n = 65\frac{1}{4} \end{array} \quad \begin{array}{r} 126 = 9n - 14 \\ \quad \quad +14 \quad +14 \\ \hline 140 = 9n \\ \quad \quad 9 \quad 9 \\ \hline 15\frac{4}{9} = n \end{array}$$

$$\begin{array}{r} \textcircled{d} \quad 7 + \frac{2}{3}n = 108 \\ \quad \quad -7 \quad -7 \\ \hline \frac{2}{3} \cdot \frac{3}{2}n = 101 \cdot \frac{3}{2} \\ \hline n = 15\frac{1}{2} \end{array}$$

$$\begin{array}{r} -n + 423 = -34 \\ \quad \quad -423 \quad -423 \\ \hline -n = -457 \\ \quad \quad -1 \quad -1 \\ \hline n = 457 \end{array}$$

$$\begin{array}{r} \textcircled{e} \quad -5 + 4n = -15 \\ \quad \quad +5 \quad +5 \\ \hline 4n = -10 \\ \quad \quad 4 \quad 4 \\ \hline n = -2\frac{1}{2} \end{array}$$

$$\begin{array}{r} -35 = -12 + (-5)n \\ \quad \quad 12 \quad 12 \\ \hline -23 = -5n \\ \quad \quad -5 \quad -5 \\ \hline 4\frac{3}{5} = n \end{array}$$

$$\begin{array}{r} \textcircled{f} \quad 3\frac{2}{5} + \frac{1}{2}n = 1\frac{3}{8} \\ \quad \quad -3\frac{2}{5} \quad -3\frac{2}{5} \\ \hline \frac{2}{7} \cdot \frac{1}{2}n = -2\frac{1}{40} \cdot \frac{2}{1} \\ \hline n = -4\frac{1}{20} \end{array}$$

$$\begin{array}{r} \frac{2}{3}n + 3\frac{3}{8} = -5\frac{3}{4} \\ \quad \quad -3\frac{3}{8} \quad -3\frac{3}{8} \\ \hline \frac{2}{3} \cdot \frac{2}{3}n = 9\frac{1}{8} \cdot \frac{3}{2} \\ \hline n = 13\frac{1}{16} \end{array}$$

$$\begin{array}{r} \textcircled{g} \quad \frac{3}{4}n + \frac{2}{5} = \frac{3}{8} \\ \quad \quad -\frac{2}{5} \quad -\frac{2}{5} \\ \hline \frac{4}{3} \cdot \frac{3}{4}n = -\frac{1}{40} \cdot \frac{4}{3} \\ \hline n = -\frac{1}{30} \end{array}$$

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

$$\begin{array}{r} \textcircled{h} \quad 3n - 15 = 27 \\ \quad \quad +15 \quad +15 \\ \hline 3n = 42 \\ \quad \quad 3 \quad 3 \\ \hline n = 14 \end{array}$$

$$\begin{array}{r} 45 - \frac{3}{4}n = 27 \\ \quad \quad -45 \quad -45 \\ \hline -\frac{4}{3}(-\frac{3}{4}n) = -18(-\frac{4}{3}) \\ \hline n = 24 \end{array}$$

$$\begin{array}{r} \textcircled{i} \quad -n + 105 = 24 \\ \quad \quad -105 \quad -105 \\ \hline -n = -81 \\ \hline n = 81 \end{array}$$

$$\begin{array}{r} 45 - n = 23 \\ \quad \quad -45 \quad -45 \\ \hline -n = -22 \\ \hline n = 22 \end{array}$$

$$\begin{array}{r} \textcircled{j} \quad \frac{4}{5}n + 34 = 7\frac{1}{2} \\ \quad \quad -34 \quad -34 \\ \hline \frac{4}{5}n = -33\frac{5}{12} \\ \hline n = -41\frac{5}{48} \end{array}$$

$$\begin{array}{r} 4\frac{2}{3}n - 8 = -8\frac{3}{4} \\ \quad \quad +8 \quad +8 \\ \hline 4\frac{2}{3}n = -\frac{1}{4} \\ \hline n = -\frac{9}{56} \end{array}$$

$$\begin{array}{r} \textcircled{k} \quad 42 + 5n = -75 \\ \quad \quad -42 \quad -42 \\ \hline 5n = -117 \\ \quad \quad 5 \quad 5 \\ \hline n = -23\frac{4}{5} \end{array}$$

$$\begin{array}{r} 6n - 5 = 34 \\ \quad \quad +5 \quad +5 \\ \hline 6n = 39 \\ \quad \quad 6 \quad 6 \\ \hline n = 6\frac{1}{2} \end{array}$$