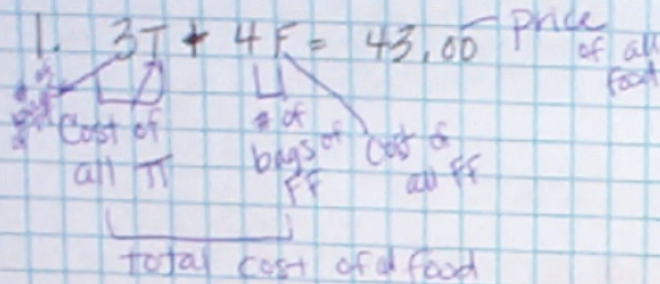


Skills: Solve the following without a calculator

$$\begin{aligned} 5 + (-1) &= 4 \\ 5 - (-1) &= 6 \end{aligned}$$

$$\begin{aligned} -7 + (-2) &= -9 \\ -7 - (-2) &= -5 \end{aligned}$$



$$\begin{aligned} 3T + 4F &= 43 \\ 3T + 6F &= 54 \\ \hline -3T + 4F &= 43 \\ \hline 2F &= 11 \\ \frac{2F}{2} &= \frac{11}{2} \end{aligned}$$

$$F = 5.50$$

Graphing: DESK

Elimination

$$\begin{aligned} 3x + 4y &= 43 & (7, 5.5) \\ 3x + 6y &= 54 \end{aligned}$$

$$\begin{aligned} 3T + 4(5.50) &= 43 \\ 3T + 22 &= 43 \\ -22 & -22 \\ \hline 3T &= 21 \\ \frac{3T}{3} &= \frac{21}{3} \\ T &= 7.0 \end{aligned}$$

$$\begin{aligned} 2(2B + 3L) &= 42.50 \\ -5B + 6L &= 94.25 \\ \hline -4B + 6L &= 95.00 \\ \hline 1B + 0L &= 9.25 \end{aligned}$$

$$\begin{aligned} 2(9.25) + 3L &= 42.50 \\ 18.50 + 3L &= 42.50 \\ -18.50 & -18.50 \\ \hline 3L &= 24 \\ \frac{3L}{3} &= \frac{24}{3} \\ L &= 8.00 \end{aligned}$$

$$\begin{aligned} 3d + 6c &= 46.00 \\ 2(3d + 2c) &= (19.00) \\ \hline -6d + 4c &= 38.00 \\ \hline 0d + 2c &= 7.00 \\ \frac{2c}{2} &= \frac{7.00}{2} \\ c &= 3.50 \end{aligned}$$

$$\begin{aligned} 3d + 2(3.50) &= 19.00 \\ 3d + 7.00 &= 19.00 \\ -7.00 & -7.00 \\ \hline 3d &= 12.00 \\ \frac{3d}{3} &= \frac{12.00}{3} \\ d &= 4.00 \end{aligned}$$

$$\begin{aligned} 2d + 4c &= 18.50 \\ -2d - 3c &= 1.00 \\ \hline 7c &= 17.50 \\ \frac{7c}{7} &= \frac{17.50}{7} \\ c &= 2.50 \end{aligned}$$

$$\begin{aligned} 2d + 4(2.50) &= 18.50 \\ 2d + 10 &= 18.50 \\ -10 & -10 \\ \hline 2d &= 8.50 \\ \frac{2d}{2} &= \frac{8.50}{2} \\ d &= 4.25 \end{aligned}$$

$$5. \begin{cases} 2(3c + 5d = 22.75) \\ 3(2c + 3d = 14.25) \end{cases}$$

$$\begin{array}{r} 6c + 10d = 45.50 \\ - 6c + 9d = 42.75 \\ \hline \end{array}$$

$$d = 2.75$$

$$2c + 3(2.75) = 14.25$$

$$2c + 8.25 = 14.25$$

$$- 8.25 \quad - 8.25$$

$$\frac{2c}{2} = \frac{6}{2}$$

$$c = 3$$