



$$\begin{aligned} \textcircled{5} \text{ required distance} &= 3 \times \frac{3}{4} \\ &= \frac{9}{4} \\ &= 2\frac{1}{4} \text{ m} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \text{ Time taken to read book} &= 6 \times 1\frac{3}{4} \\ &= \overset{3}{\cancel{6}} \times \frac{7}{\cancel{4}2} \\ &= \frac{21}{2} \\ &= 10\frac{1}{2} \text{ hours} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \text{ distance covered in } 1 \text{ l} &= 16 \text{ km} \\ \text{distance covered in } 2\frac{3}{4} \text{ l} &= 2\frac{3}{4} \times 16 \\ &= \frac{11}{4} \times \cancel{16}^4 \\ &= 44 \text{ km} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \text{ (i)} \quad \frac{2}{3} \times x &= \frac{10}{30} \\ \Rightarrow x &= \frac{\overset{5}{\cancel{10}}}{\cancel{30}_{10}} \times \frac{\overset{3}{\cancel{3}}}{\cancel{2}} \end{aligned}$$

$$\begin{aligned} \Rightarrow x &= \frac{1}{2} \\ \therefore \frac{2}{3} \times \boxed{\frac{1}{2}} &= \frac{10}{30} \end{aligned}$$

8a) or

$$\begin{aligned} \frac{2}{3} \times x &= \frac{10}{30} \\ \Rightarrow x &= \frac{\overset{5}{\cancel{10}}}{\cancel{30}_{10}} \times \frac{\overset{3}{\cancel{3}}}{\cancel{2}} \end{aligned}$$

$$\begin{aligned} \frac{2}{3} \times \boxed{\frac{5}{10}} &= \frac{10}{30} \\ \text{8a(ii)} \quad \frac{\overset{5}{\cancel{5}}}{\cancel{10}_2} &= \frac{1}{2} \end{aligned}$$