

5 (a) let required quantity = 500 km

$$40\% \text{ of } x = 500$$

$$\frac{40}{100} x = 500$$

$$\Rightarrow x = 1250$$

6 (a) 25%

$$= \frac{25}{100}$$

$$= 0.25$$

$$= \frac{25}{100} \times \frac{1}{4}$$

$$= \frac{1}{4}$$

5 (d) let required time = x min

$$70\% \text{ of } x = 14$$

$$\frac{70}{100} x = 14$$

$$\Rightarrow x = 14 \times \frac{100}{70}$$

$$\Rightarrow x = 20$$

(b) 150%

$$= \frac{150}{100}$$

$$= 1.5$$

$$= \frac{150}{100} \times \frac{3}{2}$$

$$= 1\frac{1}{2}$$

5 (c) let required quantity = x l

$$8\% \text{ of } x = 40$$

$$\frac{8}{100} x = 40$$

$$\Rightarrow x = 40 \times \frac{100}{8}$$

$$\Rightarrow x = 500$$

(c) 20%

$$= \frac{20}{100}$$

$$= 0.2$$

$$= \frac{20}{100} \times \frac{1}{5}$$

$$= \frac{1}{5}$$