

TARGET To solve word problems involving decimal notation of measures.

Example

A watering can has a capacity of 3.75 litres.
It is filled and emptied six times.
How much water has been used?

$$\begin{array}{r} 3.75 \\ \times \quad 6 \\ \hline 22.50 \\ \hline \end{array}$$

Answer 22.5 litres has been used.



A

- 1 A greengrocer has 83.5 kg of potatoes. 56.2 kg are sold. How much is left?
- 2 On Monday Joyce used 78.9 litres of water. On Tuesday she used 13.6 litres more than she had the day before. How much water did she use on Tuesday?
- 3 Jack is driving 63 km. He is halfway. How far has he driven?
- 4 One coin weighs 7.4 g. What do six coins weigh?
- 5 David's fish tank holds 52.8 litres of water. He drains off 10 per cent. How much is left?
- 6 The annual rainfall in the Scottish Highlands was 3.12 m. In the next year it is 69 cm less. What was the rainfall in the second year?
- 7 Lydia runs 6.4 km every day for a week. How far does she run altogether?

B

- 1 Each roll of wallpaper is 6.25 m. Maxine buys eight rolls. What is the total length of her wallpaper?
- 2 Robert earns £2779 in four weeks. What does he earn each week?
- 3 A baby weighs 7.8 kg. The next time she is weighed her weight has increased by 5 per cent. What is the baby's new weight?
- 4 The planned length of a tunnel is 2.47 km. 875 m still needs to be dug. How long is the tunnel which has been dug?
- 5 Five identical bricks weigh 6.3 kg. What does one brick weigh?
- 6 One pot of soup holds 0.58 litres. What do nine pots hold?
- 7 A large bag of peas weighs 1.35 kg. A small bag weighs 685 g. How much heavier is the large bag?

C

- 1 Seven refrigerators are loaded onto a lorry. Each weighs 78.42 kg. What is the total weight of the load?
- 2 A saucepan holds 2.37 litres of water. 568 ml is poured away. How much water is left?
- 3 At 8 am the shadow of a tree is 50.4 m long. By midday it is a quarter as long. How long is the shadow at midday?
- 4 A dishwasher uses 238.5 litres of water in six washes. How much does it use in each wash?
- 5 A sheep weighs 26.32 kg before shearing. 1.465 kg of wool is removed. How much does the sheep weigh now?
- 6 Lloyd throws the javelin 67.5 metres. The winning throw is 6 per cent longer. What is the winning throw?

