

TARGET To solve word problems involving measures.

Example

An apple pie weighs 0.8 kg.
It is cut into five equal slices.
Two are eaten. What is the
weight of the remaining pie?

$$\begin{aligned} 0.8 \text{ kg} &= 800 \text{ g} \\ 800 \div 5 &= 160 \\ 160 \times 3 &= 480 \\ \text{Answer } 480 \text{ g is left.} \end{aligned}$$



A

- 1 Stella has a 6 m ball of string. One quarter is cut off. How much does she have left?
- 2 Norris buys three sacks of potatoes, a large one holding 45 kg and two smaller ones holding 27.5 kg each. What is the total weight of the potatoes he has bought?
- 3 The temperature is 3°C. It falls 8°C and then rises 2°C. What is the new temperature?
- 4 A motor mower has 700 ml of petrol. 2.5 litres is added. 0.6 litres is used. How much petrol is in the mower?



- 5 The wall of a room is 4 m long. A radiator 1.6 m long is to be placed exactly in the centre of the wall. How far should it be from each side of the wall to the radiator?

B

- 1 A packet of cereal weighs 1.2 kg. 450 g is used. One third of the rest is used. How much is left?
- 2 A water bottle holds 2.6 litres. 1.9 litres is used. 750 ml is added. How much water is in the bottle?
- 3 Ceri buys six 80 cm ribbons and seven 50 cm ribbons. What is the total length of the ribbons bought in metres?
- 4 The temperature at 6 pm is 9.3°C. By midnight it falls to 3.6°C and it falls as much again by 6 am. What is the temperature at 6 am?
- 5 A recipe for eight people requires one kilogram of meat. How much is needed for three people?
- 6 Claire buys a 2 litre bottle of milk. Seven tenths is used. A quarter of what is left is used. How much milk is left?

C

- 1 A crate of 24 empty bottles weighs 6.4 kg. The crate weighs 2.8 kg. What does each bottle weigh?
- 2 Three fifths of a bottle of cooking oil is used. 450 ml is left. How much oil does a full bottle hold in litres?
- 3 A machine makes 320 staples from a 10 m length of wire. Each staple uses 15 mm of wire. How much of the wire is left?
- 4 A can of fruit weighs 425 g. There are eight cans in each box. What is the total weight in kilograms of the cans in four boxes?
- 5 Nancy makes 1.2 litres of lemon squash. She pours two fifths into a jug and the rest is shared equally between six glasses. How much squash is in each glass?
- 6 Brian needs 250 lengths of tape, each 60 cm long. Tapes are 30 m long. How many will he need to buy?