TARGET To solve word problems involving the conversion of measures between different units.

Example

Each load of washing uses 100 g of powder. How many loads can be washed from a 2·5 kg box?

2·5 kg = 2500 g
2500 ÷ 100 = 25
Answer: *25 loads can be washed.*

A

1. A packet of cornflakes weighs one kilogram. 200 g is used. How much is left?

2. One lap of a running track is 400 m. How far is ten laps in kilometres?

3. There are three litres of water in a watering can. 540 ml is added. How much water is there in the can now?

4. Each parcel weighs 500 g. What is the weight of four parcels in kilograms?

5. Large pins are 3·5 cm long. Small pins are 15 mm shorter. How long are small pins?

6. Elsa buys a litre bottle of milk. She drinks half of the milk. How much is left in millilitres?

B

1. A door is 1·9 m tall. There is 76 cm from the top of the door to the ceiling. What is the height of the room?

2. A pile of 60 magazines weighs 10·8 kg. What does each magazine weigh in grams?

3. A tub of ice cream holds 2 litres. 350 ml is used. How much ice cream is left?

4. The fence round a square field is one kilometre long. What is the length of one side of the field in metres?

5. A pie weighs 1·5 kg. A larger pie weighs 735 g more. What is the weight of the larger pie?

6. Each tube of paint holds 40 ml. How much paint is needed to fill ninety tubes?

C

1. Twelve cartons of a drink hold a total of 2·7 litres. What does one carton hold in millilitres?

2. Myra buys 0·72 kg of mince. She uses 275 g. How much mince does she have left?

3. Each sheet of card is 1·5 mm thick. There are 50 sheets in a pack. How thick is a pack in centimetres?

4. A can of cycle oil holds 0·12 litres. 55 ml is used. How much oil is left?

5. Eight identical jars of sauce hold 2·8 kg of sauce. How much sauce is there in one jar in grams?

6. Gareth walks 765 m to the canal and 5·68 km along the towpath. How far does he walk altogether?

TARGET To solve 1-step and 2-step problems involving the conversion of measures between different units.

Example

A bottle contains half a litre of spray cleaner. 200 ml is used. Half of the rest is used. How much is left?
Answer: *150 ml is left.*

$\frac{1}{2}$ litre = 500 ml
500 ml − 200 ml = 300 ml
300 ml ÷ 2 = 150 ml

A

1. Jill throws the ball 28 m. Rae throws it 15 m further. What is the length of Rae's throw?

2. A bag of nuts weighs 100 g. 60g is eaten. How much is left?

3. Ian buys four pencils for £1. How much does each pencil cost?

4. A dishwasher uses 40 litres of water each wash. How much water does it use in five washes?

5. Josh has three 20p coins and three 10p coins. How much does he have altogether?

6. A piece of wood is 60 cm long. 10 cm is cut off. The rest of the wood is cut in half. How long are the two equal pieces?

B

1. One can of fish weighs 200 g. What do six cans weigh in kilograms?

2. Tiles are 20 cm long. How many are needed to make a row 4 m long?

3. Ricky buys two bottles of water, each holding 650 ml. He drinks half a litre. How much water does he have left?

4. A pie weighs 1 kg. It is cut into five equal slices. One is eaten. How much is left in grams?

5. Susan's daily paper costs 55p. Her Sunday paper costs £1·50. How much does she pay for her papers each week?

6. A drink is made with 1·2 litres of water and 300 ml of juice. It is then poured equally into 10 glasses. How much drink is in each glass?

C

1. A shower uses 6 litres of water in one minute. How much water does it use in one second?

2. A plank is 4 m long. Three 40 cm lengths are cut off. A further 75 cm is cut off. How long is the plank that is left?

3. A bath holds 38·7 litres of hot water and 11·6 litres of cold water. 800 ml evaporates. How much water is left in the bath?

4. One gravy cube weighs 6 g. What do 250 cubes weigh in kilograms?

5. An athlete runs 3·6 km to warm up, then a fast 800 m and 1·5 km to warm down. How far does she run altogether?

6. CDs cost £6·75. Lynne buys three for the price of two. How much has each CD cost her?