

Choose A (mild), B (medium), or C (spicy). Complete a minimum of 4 questions.

MEASURES PROBLEMS 1

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?

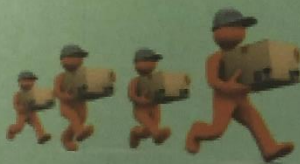
$$2.5 \text{ kg} = 2500 \text{ g}$$

$$2500 \div 100 = 25$$

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?



Answers:

	b) 5 ml	35 ml	b) 40 ml	155 ml	
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A					
1	800 g	3	3.54 ℓ	5	2 cm
2	4 km	4	2 kg	6	500 ml
B					
1	2.66 m	3	1.65 ℓ	5	2.235 kg
2	180 g	4	250 m	6	3.6 ℓ
C					
1	225 ml	3	7.5 cm	5	350 g
2	445 g	4	65 ml	6	6.445 km
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A					