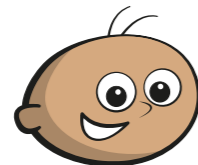


Convert metric units of weight and capacity

1 a) Match the measurements to the numbers.

cl in a litre	10
g in a kg	100
ml in a l	1,000
ml in a cl	
mg in a g	

b)



There are one million milligrams in a kilogram.

Is Tommy is correct? _____

Show your workings.

2 Convert these masses to grams.

a) 6 kg 6.5 kg 6.05 kg

g g g

b) 3,000 mg 3,100 mg 300 mg

g g g

3 Convert these masses to kilograms.

a) 8,000 g 48,000 g 48,600 g

kg kg kg

b) 800 g 820 g 82 g

kg kg kg

4 A packet of crisps weighs 30 g.

The total mass of crisps in a box is 9 kg.

Filip is working out how many packets of crisps there are in the box.

$$\frac{9 \text{ kg}}{30 \text{ g}} = \frac{900 \text{ g}}{30 \text{ g}} = \frac{90}{3} = 30 \text{ packs}$$

a) Explain Filip's mistake.

b) How many packets of crisps are in the box?

packets

5 Convert these capacities to litres.

a) 9,000 ml 9,300 ml 300 ml
 litres litres litres

b) 200 cl 2,000 cl 20 cl
 litres litres litres

6 Write >, < or = to complete the statements.

a) 300 ml 300 cl e) 5 cl + 250 ml 0.75 litres
b) 4,000 g 40 kg f) 1.5 litres 800 ml + 70 cl
c) 2 litres 20 cl g) 0.3 kg 500 g – 2,000 mg
d) 0.35 kg 350 g h) 300 g 0.2 kg + 80,000 mg

7 a) In a shop, onions cost 30p for 200 g.
Work out the cost of 3 kg of onions.

£

b) Potatoes cost £1.40 per kilogram.
Work out the cost of 600 g of potatoes.

£

8 Here is a recipe for pancakes.
Flour costs £1.20 for a 1 kg bag.
Eggs cost £1.50 for a box of 6
Milk costs £1.80 for a 2 litre bottle.
Butter costs £1.60 for 250 g.
Dora wants to make 60 pancakes.
Work out how much she will need to spend on ingredients.

Makes 12 pancakes

- 150 g flour
- 2 eggs
- 300 ml milk
- 20 g butter

£

9 A bucket weighs 700 g.
When half full of water the bucket weighs 3.2 kg.
Work out the mass of the bucket when it is full of water.

kg

10 600 ml of oil weighs 480 g.
Work out the mass in kg of 2 litres of oil.

kg