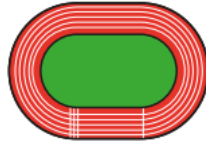


Application - ARE

- 1) An Olympic racetrack is 400 metres all the way around.



- a) Jack runs 2 laps.

How far does Jack run?

- b) Rosie runs 3 laps.

How far does Rosie run?

Write your answer in metres and kilometres.

- c) Amir runs 4 km.

How many laps does Amir run?

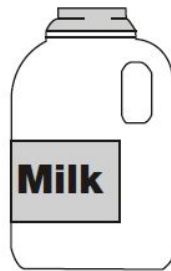
- d) Eva runs 10 km.

How many laps does Eva run?

- 2)

A bottle contains 568 millilitres of milk.

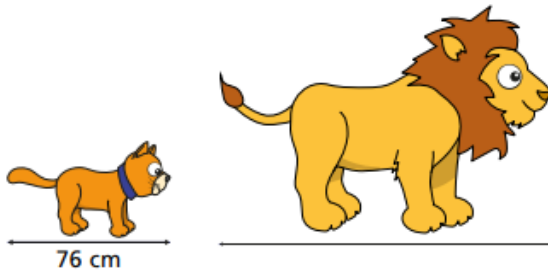
Jack pours out **half a litre**.



How much milk is left?

- 3)

A cat measures **76 cm** from its nose to its tail.



The length of a lion is 3 times as long as a cat.

How long is a lion?

Give your answer in **metres**.

- 4)



A bottle holds **1 litre** of lemonade.

Rachel fills **5** glasses with lemonade.

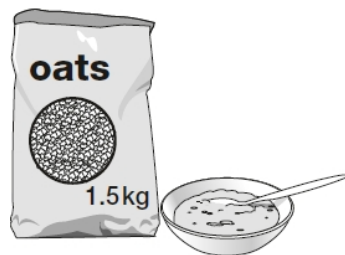
She puts **150 millilitres** in each glass.

How much lemonade is left in the bottle?

Application - ARE

- 5) Mo has 2 litres of orange juice.
He drinks 200 ml.
He then shares the rest equally between 6 glasses.
How much orange juice is poured into each glass?
- 6) Megan wants to fill a bucket with water.
A bucket holds 6 litres.
A jug holds 500 millilitres.
How many jugs of water does Megan need to fill an empty bucket?
- 7) Dani is collecting rainwater in a 1-litre jug.
On Monday, she collects 220 ml of water.
On Tuesday, she collects a quarter of a litre of water.
At the end of Wednesday, Dani sees she only needs another 0.1 litres until her jug is full.
How much water did Dani collect on Wednesday?

- 8) A packet contains 1.5 kg of oats.



- Every day Maria uses 50 g of oats to make porridge.
How many days does the packet of oats last?
- 9) Chen and Megan each have a parcel.
Chen's parcel weighs $1\frac{1}{2}$ kg.
Megan's parcel weighs 1.2 kg
How many more **grams** does Chen's parcel weigh than Megan's parcel?
- 10) For every **500g** of excess baggage I take on an aeroplane, I must pay **£7.50**.
I have **3.5kg** of excess baggage.
How much must I pay?

Application - GD

- 1) There are 28 pupils in a class.

The teacher has 8 litres of orange juice.

She pours 225 millilitres of orange juice for every pupil.



How much orange juice is left over?

- 2) A packet contains **1.5 kilograms** of guinea pig food.

Remi feeds her guinea pig **30 grams** of food each day.



How many days does the packet of food last?

- 3) Chen is cooking some pasta.

The recipe says he needs 350 grams of pasta for 4 people.



How many **kilograms** of pasta does he need for **12 people**?

- 4)

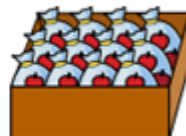


How many **days** old will the baby be when she has lived for **one million seconds**?

- 5) A bag of apples weighs 350 g.



A box can hold 12 bags of apples.



What would be the mass of 20 boxes of apples?

Give your answer in **kilograms**.

1) Children are asked to cut a length of ribbon.
Oliver's measures 1.2m.
Steven's measures 80cm.
How many metres of material do they have altogether?

2) Select the correct statement.

A. 3 parcels, weighing 400g each, have a total weight of 1.4kg.

B. The total weight of a 2.5kg case and a 2.2kg bag is under the 4,800g limit.

C. If Tom takes 320g of flour out of a 1.1kg bag, he has 680g left in the bag.

3) Select the correct statement.

A. 1.3L of milk and 470ml of water will overflow a 2L jug.

B. I can pour 2L of pop out of five 320ml bottles.

C. If Rey pours 840ml out of a 1.5L bottle, 660ml will be left in the bottle.

4) A wedding dress is 2.7m long.
The box to store it in is 245cm long.
How many centimetres will need to be folded over?

1)

Kate has a piece of ribbon **one metre** long.

She cuts off 30 centimetres.



How many centimetres of ribbon are left?

2)

Put these masses in order, starting with the heaviest.

800 g $\frac{1}{2}$ kg 1 kg 60 g

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heaviest

Put these volumes in order, starting with the smallest.

900 ml $\frac{1}{2}$ litre 1 litre 80 ml

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smallest