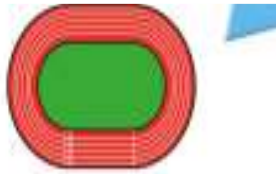This week we are looking at different units of measure

LO: To calculate using metric units of measurement (bronze)

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

a) Jack runs 2 laps.

How far does Jack run?

☐ m

b) Rosie runs 3 laps.

How far does Rosie run?

Write your answer in metres and kilometres.

☐ m ☐ km

c) Amir runs 4 km.

How many laps does Amir run?

☐

d) Eva runs 10 km.

How many laps does Eva run?

☐

2) A plank of wood is 30cm in width. The whole fence is 6m long.
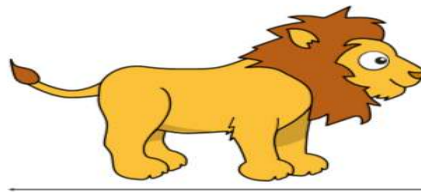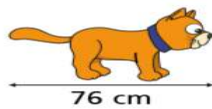
How many planks are there in the fence?

3) Twelve 1L bottles of water are delivered. It takes 6,250ml to fill the tank. Libby says,

I will have 6L of water left.

Is she correct? Explain your answer.

4)

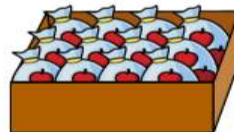A cat measures 76 cm from its nose to its tail.

76 cm

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

How long is a lion?

Give your answer in **metres**.

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**.

This week we are looking at different units of measure

LO: To calculate using metric units of measurement (silver)

1)

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?

2)

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?

3)

Jack wants to find out the mass of his suitcase.

Jack weighs 34.5 kg.

He steps onto the scales and it shows 47 kg and 200 g.

How heavy is his suitcase?

4)

A fish tank needs 3.75L of water to fill it. The tank has to be filled using a jug that holds $\frac{3}{4}$ of a litre.

How many jugs will it take to fill the tank?

5)

A piece a ribbon wrapped around a jar measures 10cm. Diana buys a length of ribbon and says,

This length is 2.75m and will be long enough to wrap 30 jars.

Is she correct? Explain your answer.

LO: To calculate using metric units of measurement (gold)

1)

The length of a swimming pool is 25 m.

Rosie swims 600 m.

Tommy swims 1 km.

How many more lengths did Tommy swim than Rosie?

2)

A bag contains 200 sweets.

Each sweet weighs 1.5 g.

The bag itself weighs 16 g.

Huan has some bags of sweets. The total mass is 1.264 kg.

How many bags of sweets does Huan have?

3)

Here is a recipe for 8 cupcakes.

a) Complete the recipe for 24 cupcakes.

Cupcakes (makes 8)

100 g butter
100 g sugar
2 eggs
1 tsp vanilla extract
120 g flour
4 tbsp milk

Cupcakes (makes 24)

	butter
	sugar
	eggs
	vanilla extract
	flour
	milk

b) Mo has half a kilogram of butter and plenty of the other ingredients.

What is the greatest number of cupcakes he can make using this recipe?

4)

In January, a baby dragon weighed 3.5kg. By the end of February, it had gained 35% of that weight.

How heavy (in grams) was the baby dragon by the end of February?

5)

Genevieve has 6 litres of milk and uses 2,250ml.
She says,

We will still have $\frac{5}{8}$ of the milk for our breakfast tomorrow.

Is she correct? Explain your answer.

This week we are looking at different units of measure

LO: To calculate using metric units of measurement (bronze) - answers

2)

An Olympic racetrack is 400 metres all the way around.
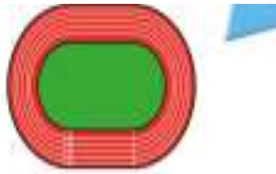
a) Jack runs 2 laps.

How far does Jack run?

☐ m

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How far does Rosie run?

Write your answer in metres and kilometres.

☐ m   ☐ km

c) Amir runs 4 km.

How many laps does Amir run?

☐

d) Eva runs 10 km.

How many laps does Eva run?

☐

2)

A plank of wood is 30cm in width. The whole fence is 6m long.

How many planks are there in the fence? **20**

3)

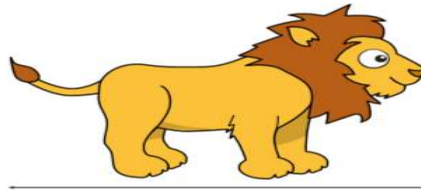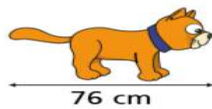Twelve 1L bottles of water are delivered. It takes 6,250ml to fill the tank. Libby says,

I will have 6L of water left.

Is she correct? Explain your answer.

Libby is wrong because…

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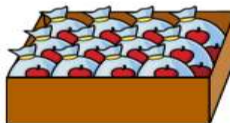A cat measures 76 cm from its nose to its tail.

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How heavy is his suitcase?

4)

A fish tank needs 3.75L of water to fill it. The tank has to be filled using a jug that holds $\frac{3}{4}$ of a litre.

How many jugs will it take to fill the tank?

5 jugs

5)

A piece a ribbon wrapped around a jar measures 10cm. Diana buys a length of ribbon and says,

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Is she correct? Explain your answer.

Diana is wrong because…

This week we are looking at different units of measure

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4,725g

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Is she correct? Explain your answer.

Genevieve is right because…