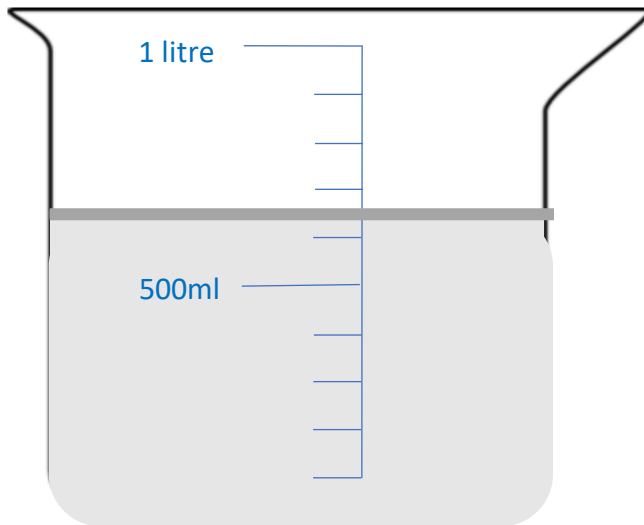




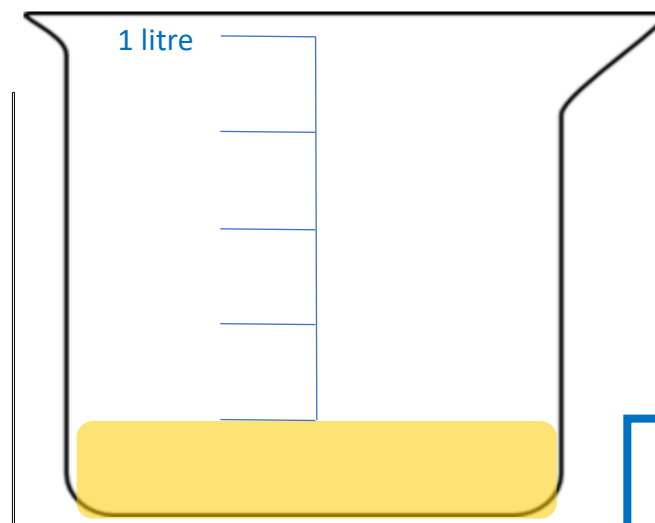
1 a) Sonya is making soup. How much water has she measured?

Children should show understanding that each unmarked interval is 100ml and that the water marks sits half way between the 600 and 700 ml interval.



650ml

b) Once the soup is blended, Sonya wants to serve each person $\frac{1}{4}$ of a litre of soup. How much more soup does she need to add to this serving?



50 ml

children should show understanding that $\frac{1}{4}$ of a litre is 250ml and that this jug has intervals marked every 200ml, therefore 50ml more is needed.

2a) Order these measurements starting with the longest.

340cm 32902 mm 0.031 km 3165cm 3.3 m

Children should show understanding here that the longest amount should be recorded first. They will need to convert the amounts to the same unit of measure to help to compare. Many may choose metres for their conversion. The children also need to ensure that they have written the amounts as they are above and not in their converted form.

32902mm

3165cm

0.031km

340cm

3.3m

2b) Write the 2459 grams in kilograms.

Children should show understanding that there are 1000g in 1 kg and may have performed the following calculation and application of place value (dividing by 1000)

$$2459 \div 1000 = 2.459$$

2.459 kg

3) Order the following amounts of time from the shortest amount of time.

325 minutes 24,000 seconds 5 hours $\frac{1}{4}$ day

Assess here whether the child has gaps in understanding the relationships between seconds, minutes hours and days or whether they were unable to perform the calculations to convert the units. The children should have converted all units of time to minutes to help them to order.

5 hours

325 minutes

$\frac{1}{4}$ day

24,000
seconds

4) Below is a timetable to show staff which sections they will be supervising at a trampoline activity centre.

	Foam pit	Dual area	Large trampolines	Break	Small Trampolines	Bridge
Nikki	9: 30	10:15	11:50	12:30	12:55	13:30
Jade	10:00	11:25	12:30	13:00	13:25	14:35
James	11:10	12:25	12: 55	14:00	14:25	16:10
Vinay	-	-	10:00	-	12:05	12:55
Harvey	12:15	-	13:55	-	15:00	-

a) At what time does Nikki start work?

9:30

b) Harvey finishes work at 4 pm. How long does he work for?

3 hours 45 minutes

c) At what time are both Jade and Nikki in the dual area together?

11:25

d) How much longer is James supervising the small trampolines than Vinay?

The children should show understanding that James is in the trampolines for 1 hour 45 and Vinay is for 50 minutes. They should then use this to work out the difference in time.

55 minutes

e) Who is supervising the dual area for the longest amount of time?

The children should demonstrate understanding that:

Nikki = 1 hr 35mins

Jade 1 hr and 5 minutes

James 30 minutes

Vinay and Harvey none

Nikki

5) Approximately 1 miles is the same as 1.6 kilometres.

a) How many kilometres is 4 miles?

$$4 \times 1.6 = 6.4$$

6.4 km

b) Approximately, how many miles is 8 kilometres?

Children should show understanding that they can use the information as follows:

$1.6 \times ? = 8\text{km}$ children may repeatedly add 1.6 to find that they need 5 lots so that 8km is the same as 5miles

5 miles

6) Tom, Tia and Neveah run a total of 4500m.

Tom runs 1.2km

Tia runs 2.75km

How far does Neveah run?

Assess whether the children have lack of understanding of converting units of measure to calculate or their understanding of what the question was asking.

$$1.2 \text{ km} = 1200\text{m}$$

$$2.75 \text{ km} = 2750 \text{ m}$$

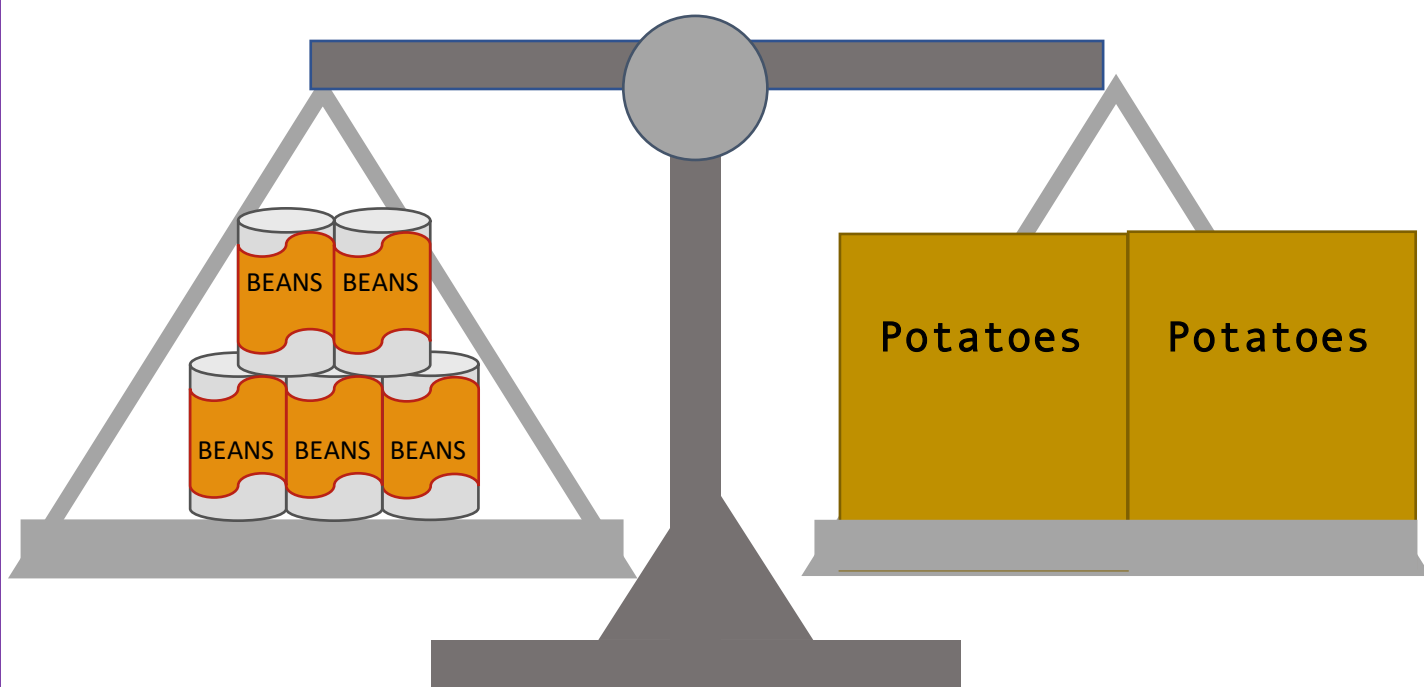
$$1200 + 2750 = 3950\text{m}$$

$$4500 - 3950 = 550\text{m}$$

$$550 \div 1000 = 0.55\text{km}$$

0.55 km

7) Look at the image below.



If one pack of potatoes weigh 1 kilogram, how many grams does a tin of beans weigh?

Assess whether the children have lack of understanding of converting units of measure to calculate or their understanding of what the question was asking.

$$2 \times 1\text{kg} = 2\text{kg}$$

$$2 \text{ kg} = 2000\text{g}$$

$$2000\text{g} \div 5 = 400\text{g}$$

400 g