

Maths Shed

Year 2

Capacity Day 4

18th June 2020

Lesson:

To be able to measure volume in litres

Success criteria:

- ✓ I can use various containers with different scales to measure volume in litres
- ✓ I can explain my reasoning when using various containers with different scales to measure volume in litres

To be able to measure volume in litres

When we measure in bigger amounts, we use litres rather than millimetres.

Often a big carton of juice is 1 litres



A big bottle of coke is 2 litres



Practical Challenge

- ▶ Look around your cupboards (with an adult) what can you find that is measures in litres? Record them in your maths book by drawing and writing or take photos!

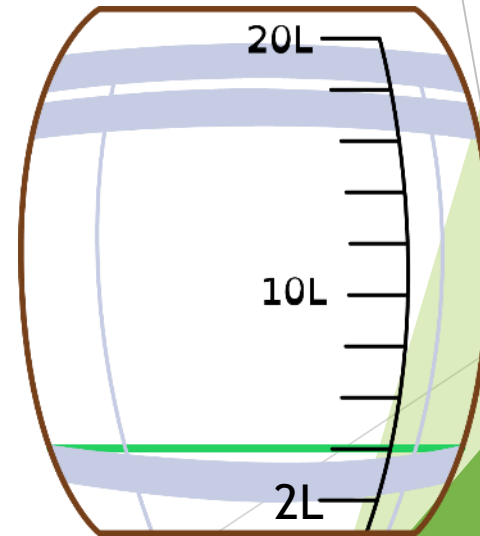
To be able to measure volume in litres

When we measure in bigger amounts, we use litres rather than millimetres.

Talking Time:

Which measurement does the green line show?

(How can we work it out if there is not a number next to the scale? Also remember your counting in multiples of 2,5, 10 etc)

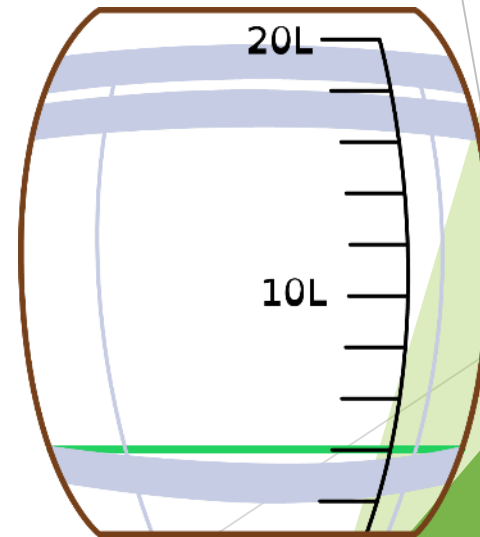


To be able to measure volume in litres

Talking Time:

Which measurement does the green line show?

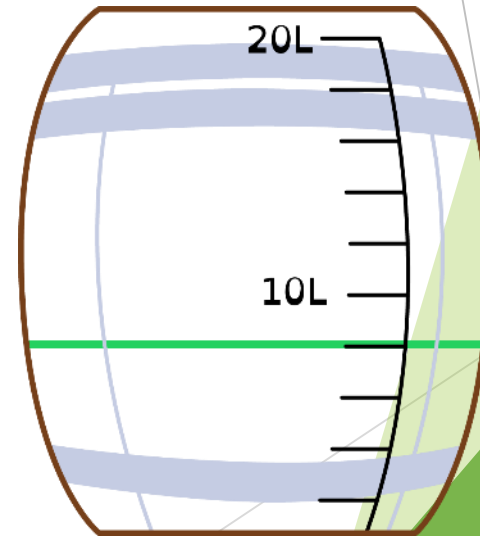
4 L



To be able to measure volume in litres

Talking Time:

Which measurement does the green line show?

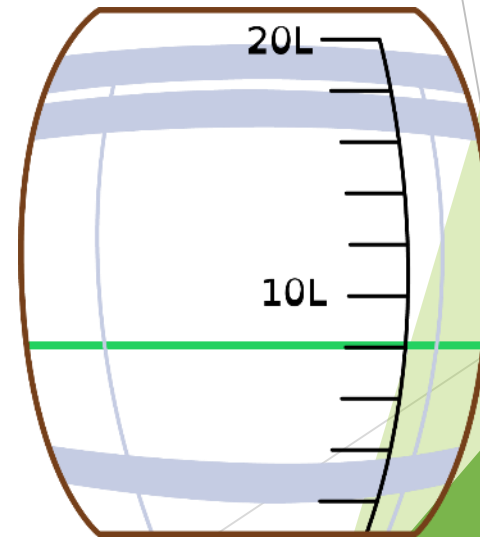


To be able to measure volume in litres

Talking Time:

Which measurement does the green line show?

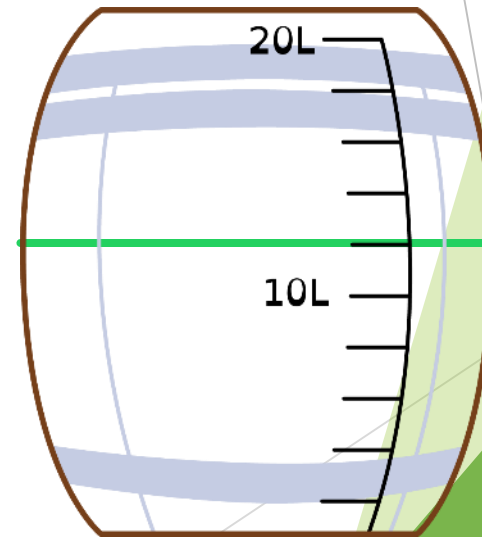
8 L



To be able to measure volume in litres

Talking Time:

Which measurement does the green line show?

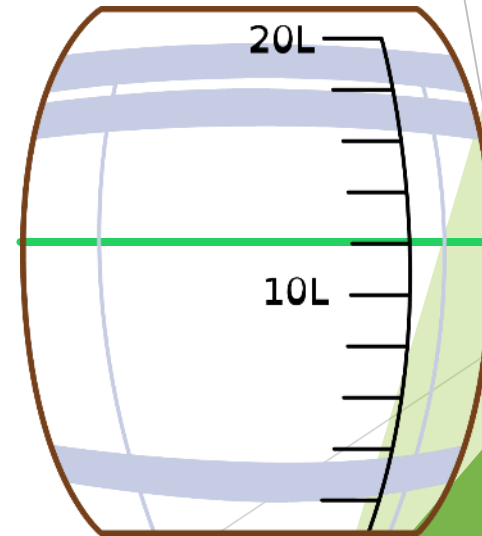


To be able to measure volume in litres

Talking Time:

Which measurement does the green line show?

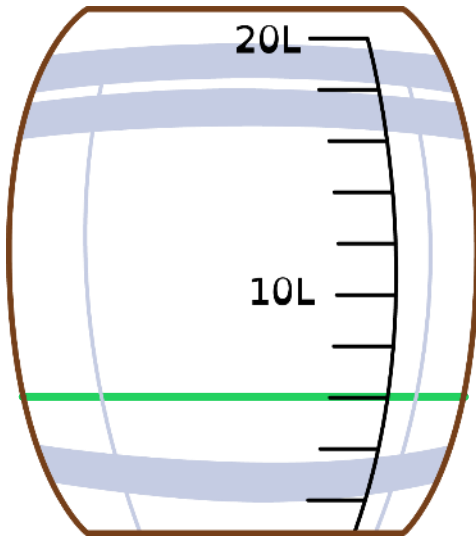
12 L



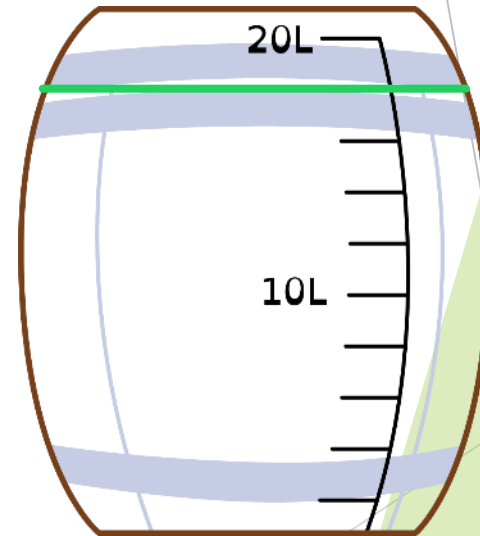
To be able to measure volume in litres

Activity 1:

Which measurement does the green line show on each of the barrels below?



__ L

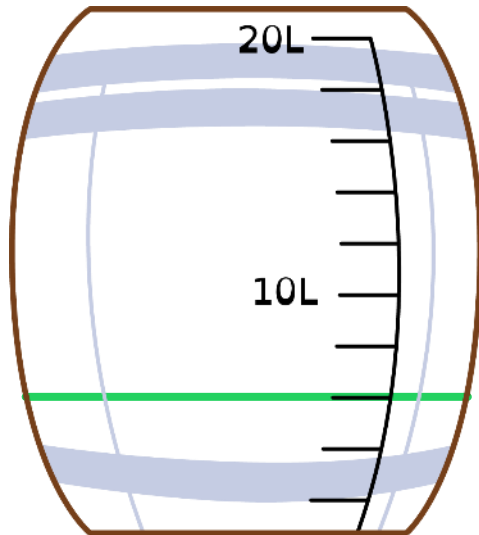


__ L

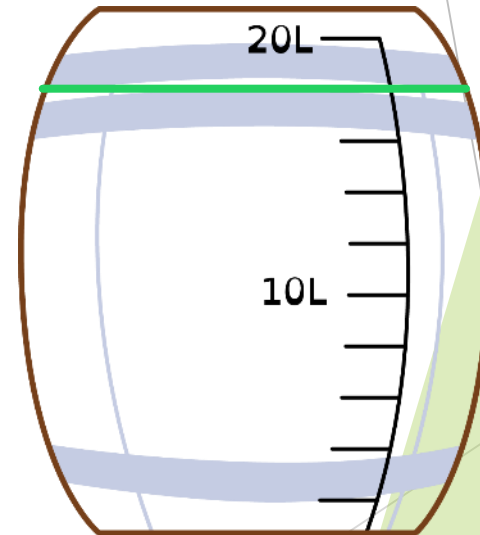
To be able to measure volume in litres

Activity 1:

Which measurement does the green line show on each of the barrels below?



6 L

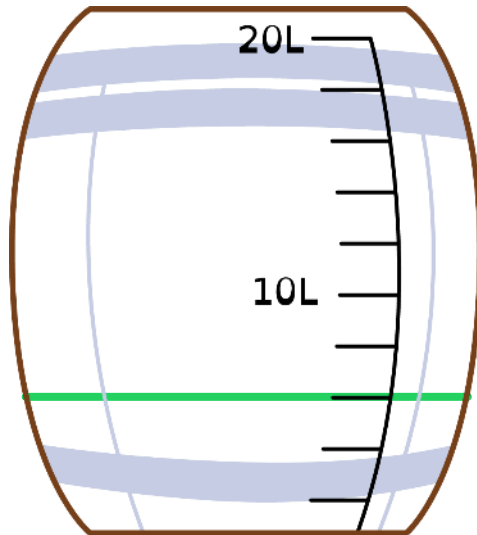


18 L

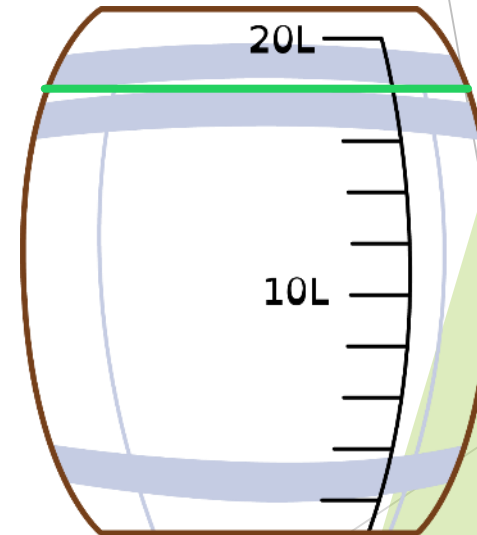
Day 5 - To be able to measure volume in litres

Activity 1:

Which measurement does the green line show on each of the barrels below?



6 L



18 L

The background features abstract, overlapping green geometric shapes, primarily triangles and polygons, in various shades of green, creating a modern and dynamic visual effect.

Year 2 Capacity Day 5 19th June 2020

To be able to measure volume in litres

Talking Time:

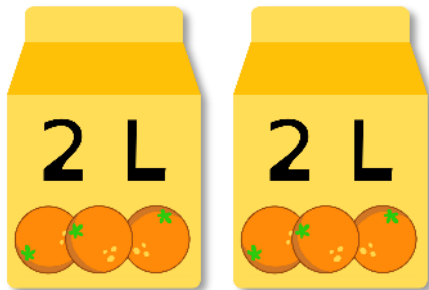
Juice is sold in 2 L and 5 L containers.
How much juice is shown in each row below?

a)



_ L

b)

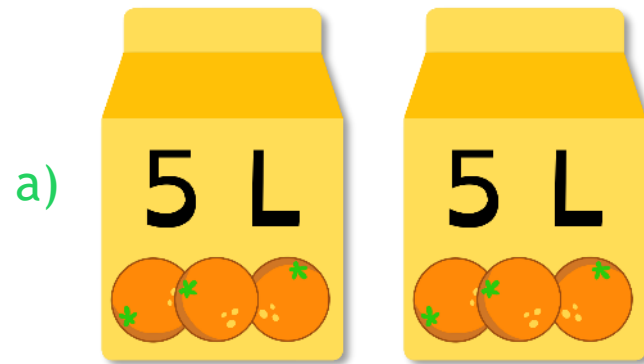


_ L

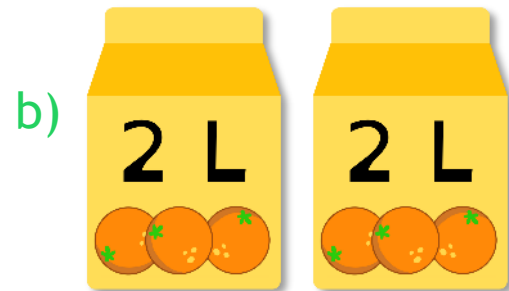
To be able to measure volume in litres

Talking Time:

Juice is sold in 2 L and 5 L containers.
How much juice is shown in each row below?



10 L



__ L

To be able to measure volume in litres

Talking Time:

Juice is sold in 2 L and 5 L containers.
How much juice is shown in each row below?



To be able to measure volume in litres

Talking Time:

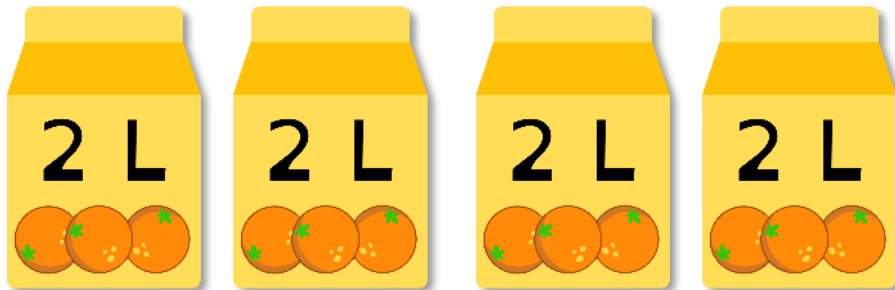
Juice is sold in 2 L and 5 L containers.
How much juice is shown in each row below?

a)



_ L

b)



_ L

To be able to measure volume in litres

Talking Time:

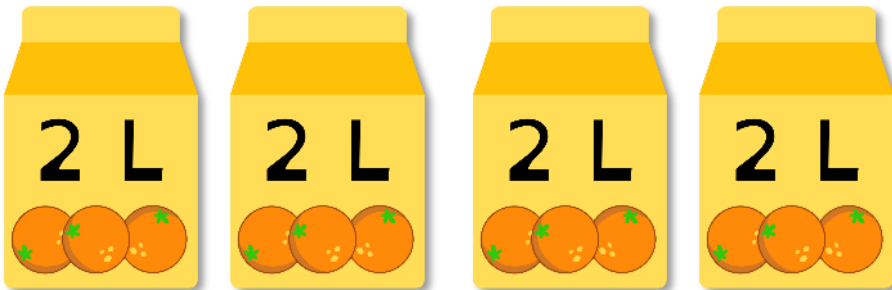
Juice is sold in 2 L and 5 L containers.
How much juice is shown in each row below?

a)



15 L

b)

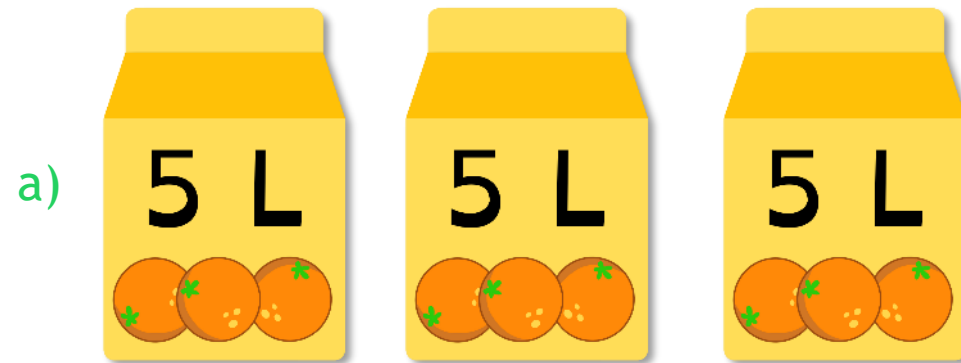


__ L

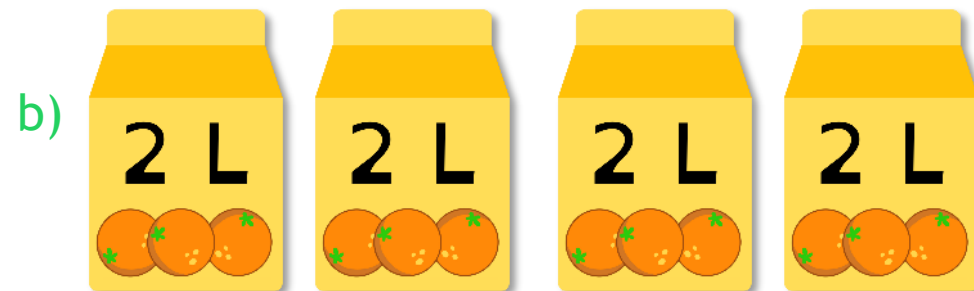
To be able to measure volume in litres

Talking Time:

Juice is sold in 2 L and 5 L containers.
How much juice is shown in each row below?



15 L

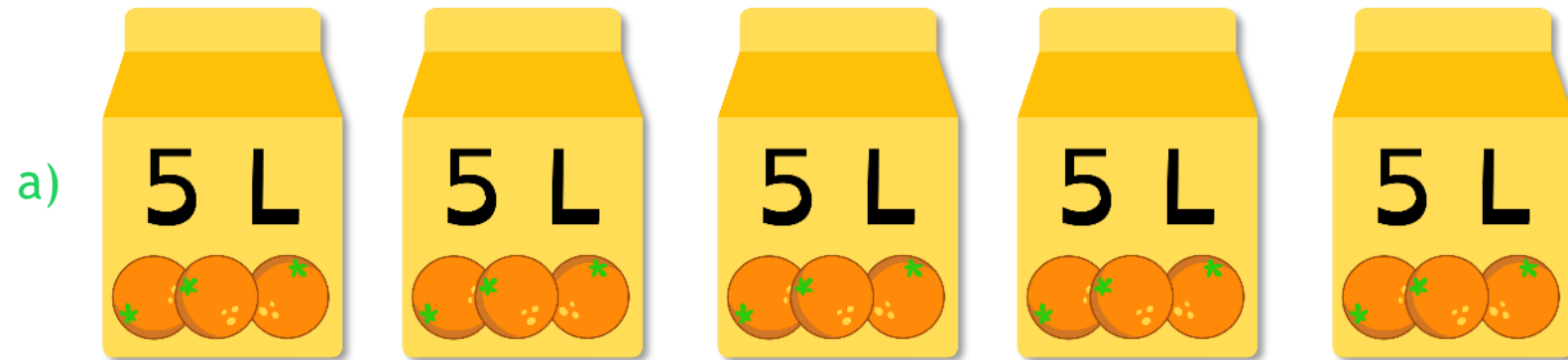


8 L

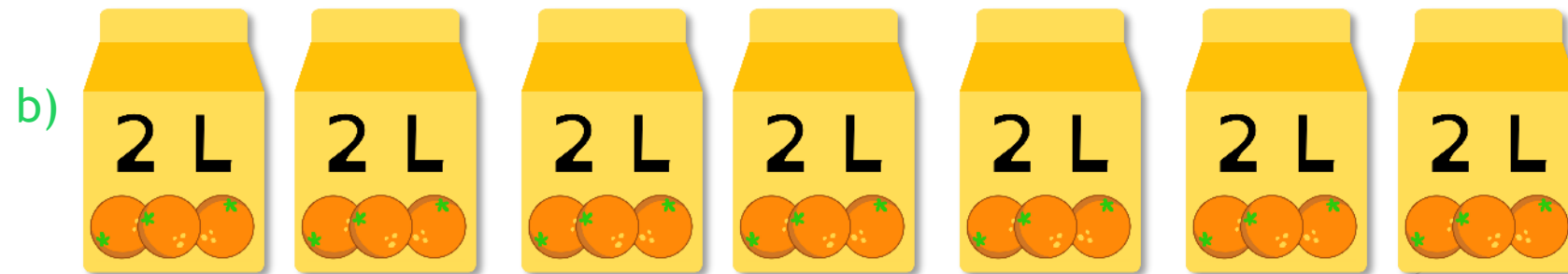
To be able to measure volume in litres

Activity 3:

Juice is sold in 2 L and 5 L containers.
How much juice is shown in each row below?



_ L

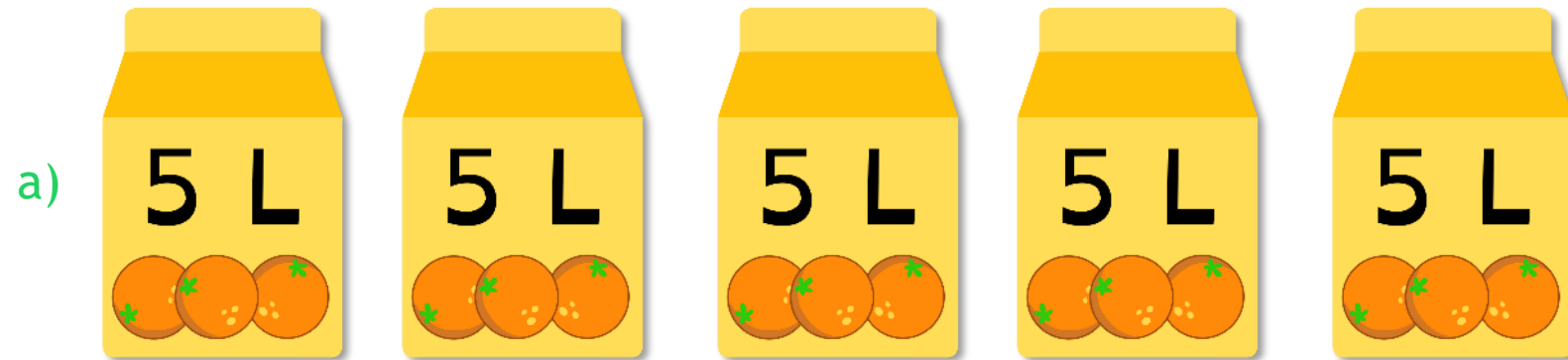


_ L

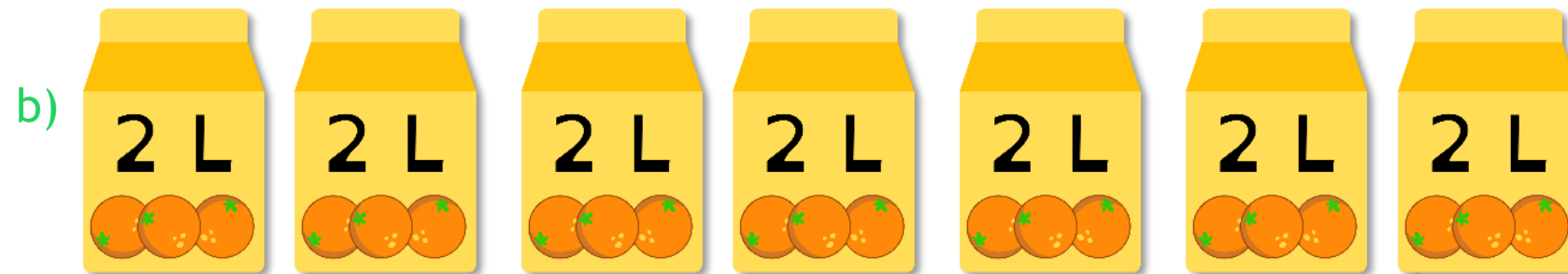
To be able to measure volume in litres

Activity 3:

Juice is sold in 2 L and 5 L containers.
How much juice is shown in each row below?



25 L

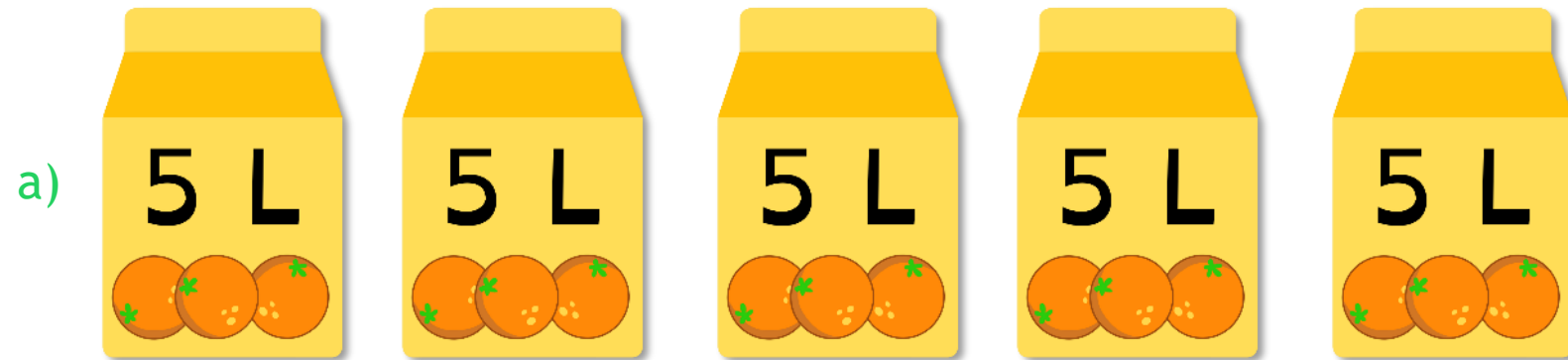


 L

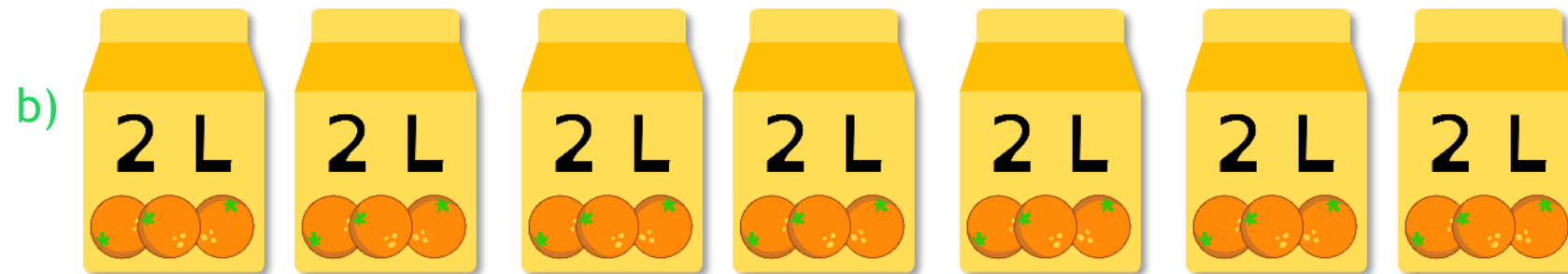
To be able to measure volume in litres

Activity 3:

Juice is sold in 2 L and 5 L containers.
How much juice is shown in each row below?



25 L

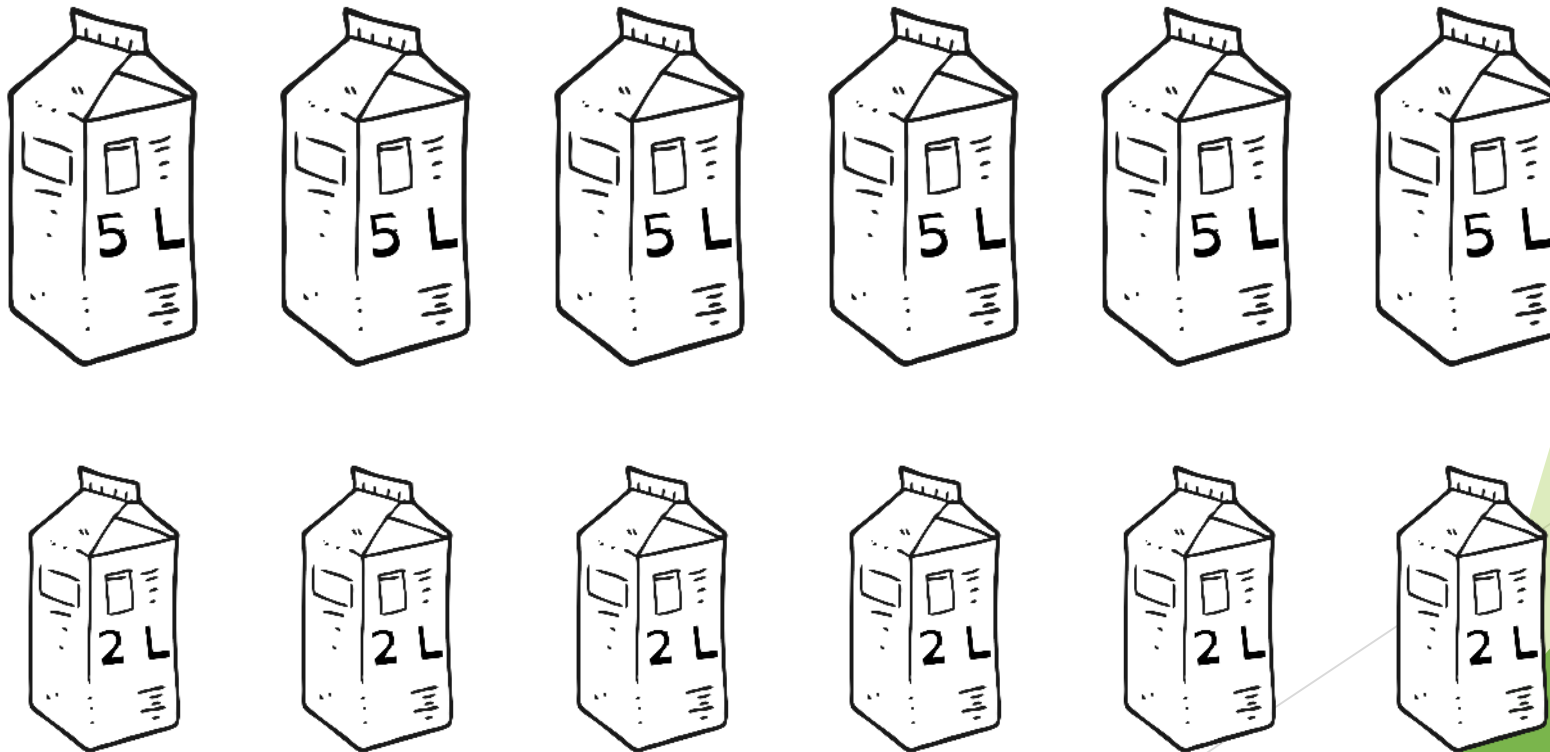


14 L

To be able to measure volume in litres

Talking Time:

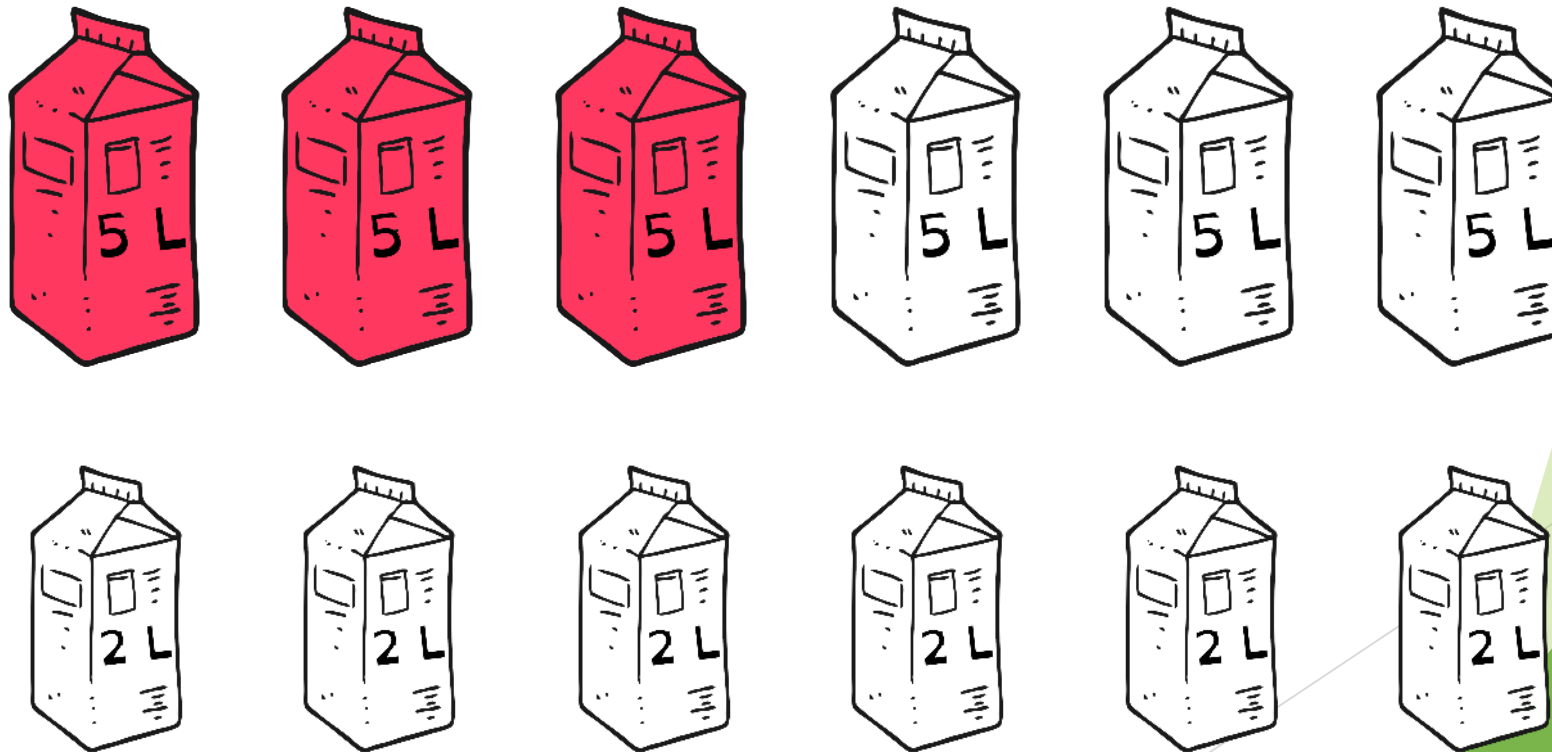
Shade in enough of the cartons below to make a total of 15 litres.



To be able to measure volume in litres

Talking Time:

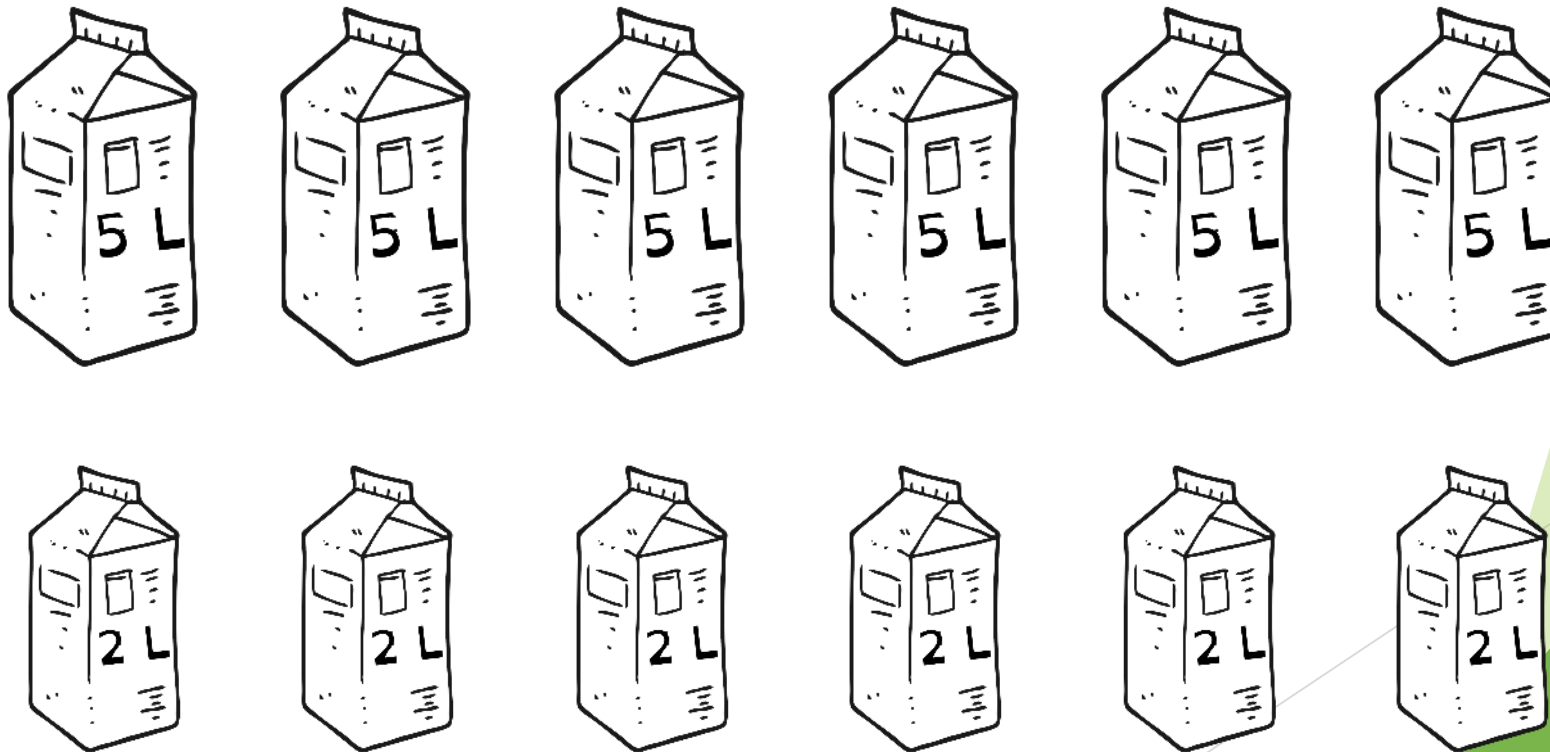
Shade in enough of the cartons below to make a total of 15 litres.



To be able to measure volume in litres

Talking Time:

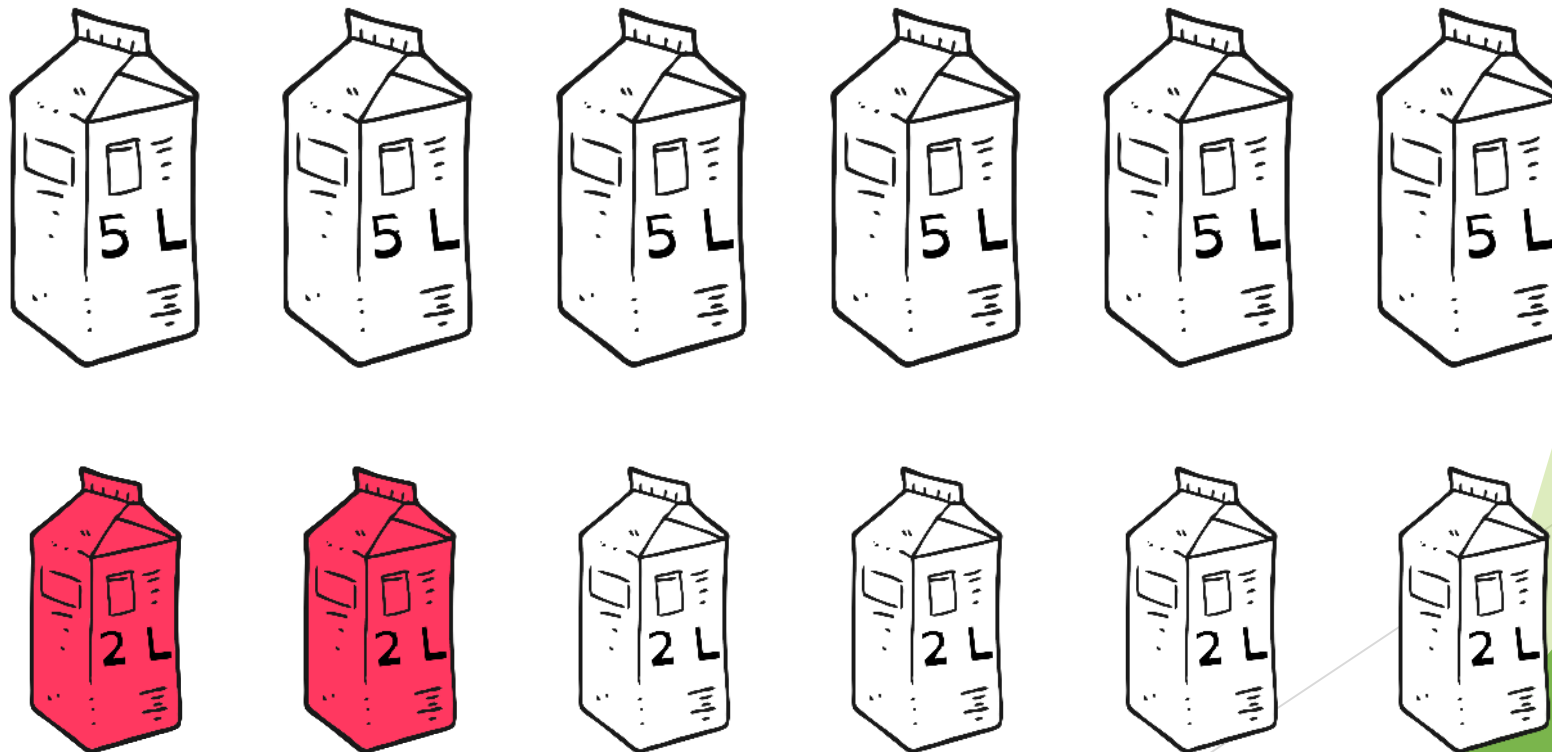
Shade in enough of the cartons below to make a total of 4 litres.



To be able to measure volume in litres

Talking Time:

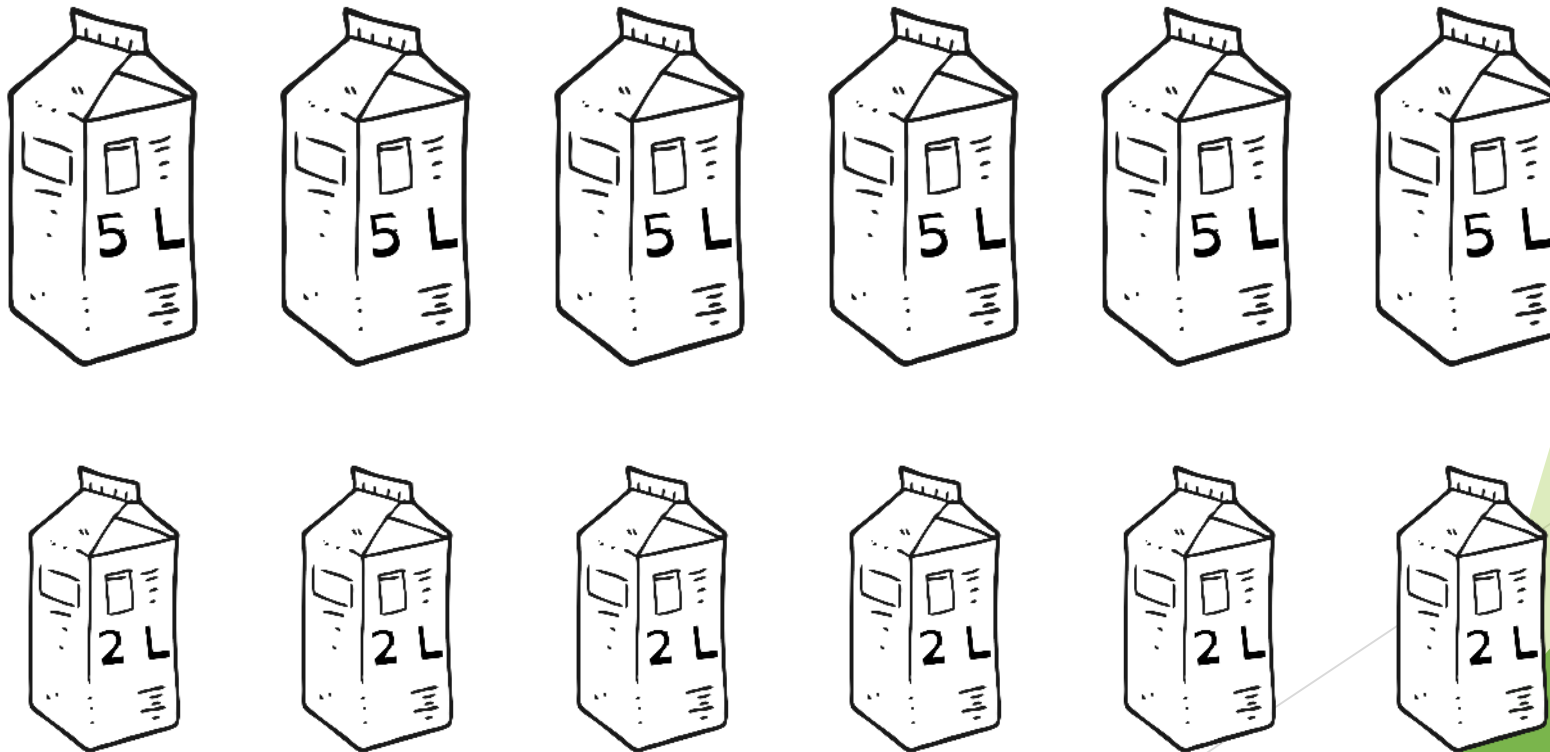
Shade in enough of the cartons below to make a total of 4 litres.



To be able to measure volume in litres

Talking Time:

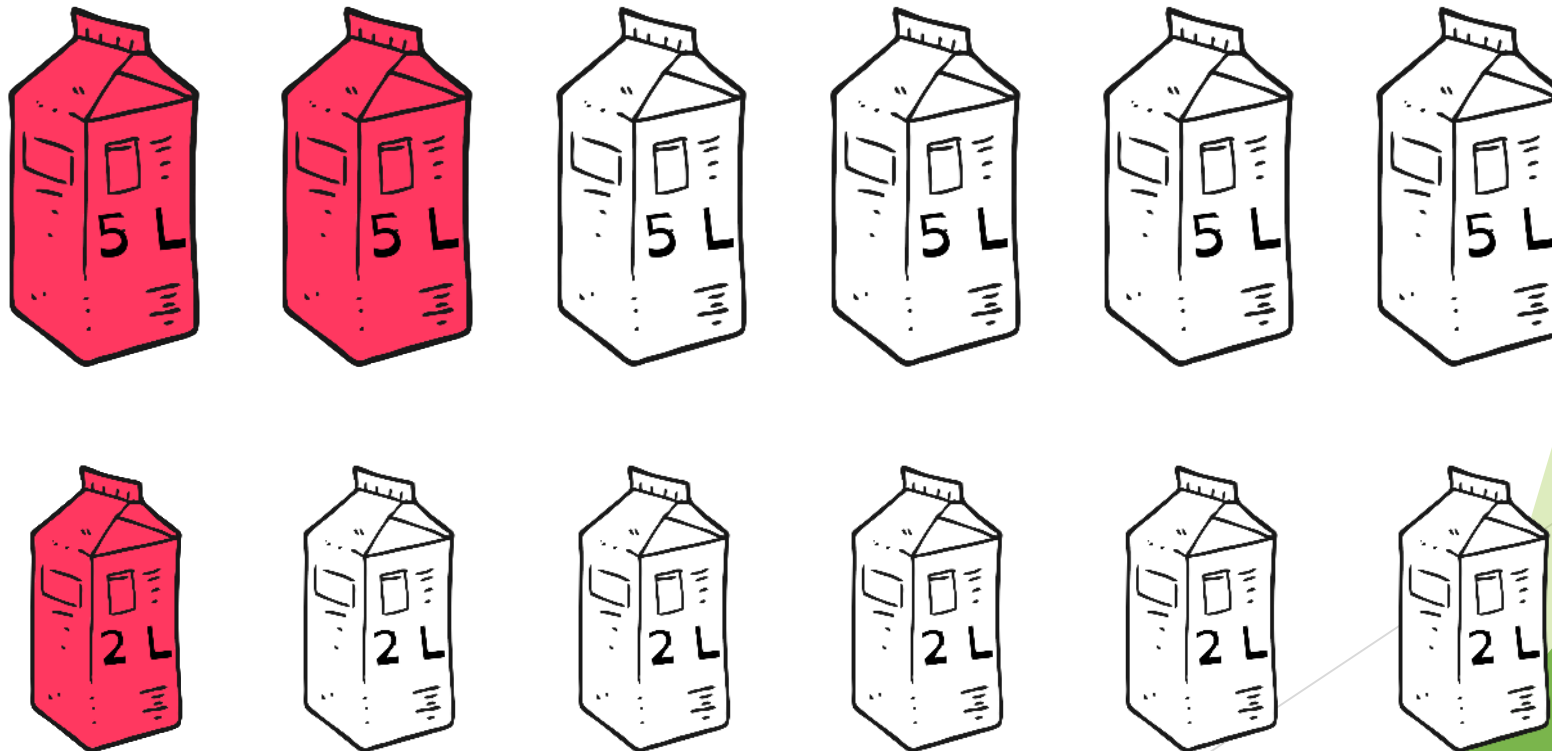
Shade in enough of the cartons below to make a total of 12 litres.



To be able to measure volume in litres

Talking Time:

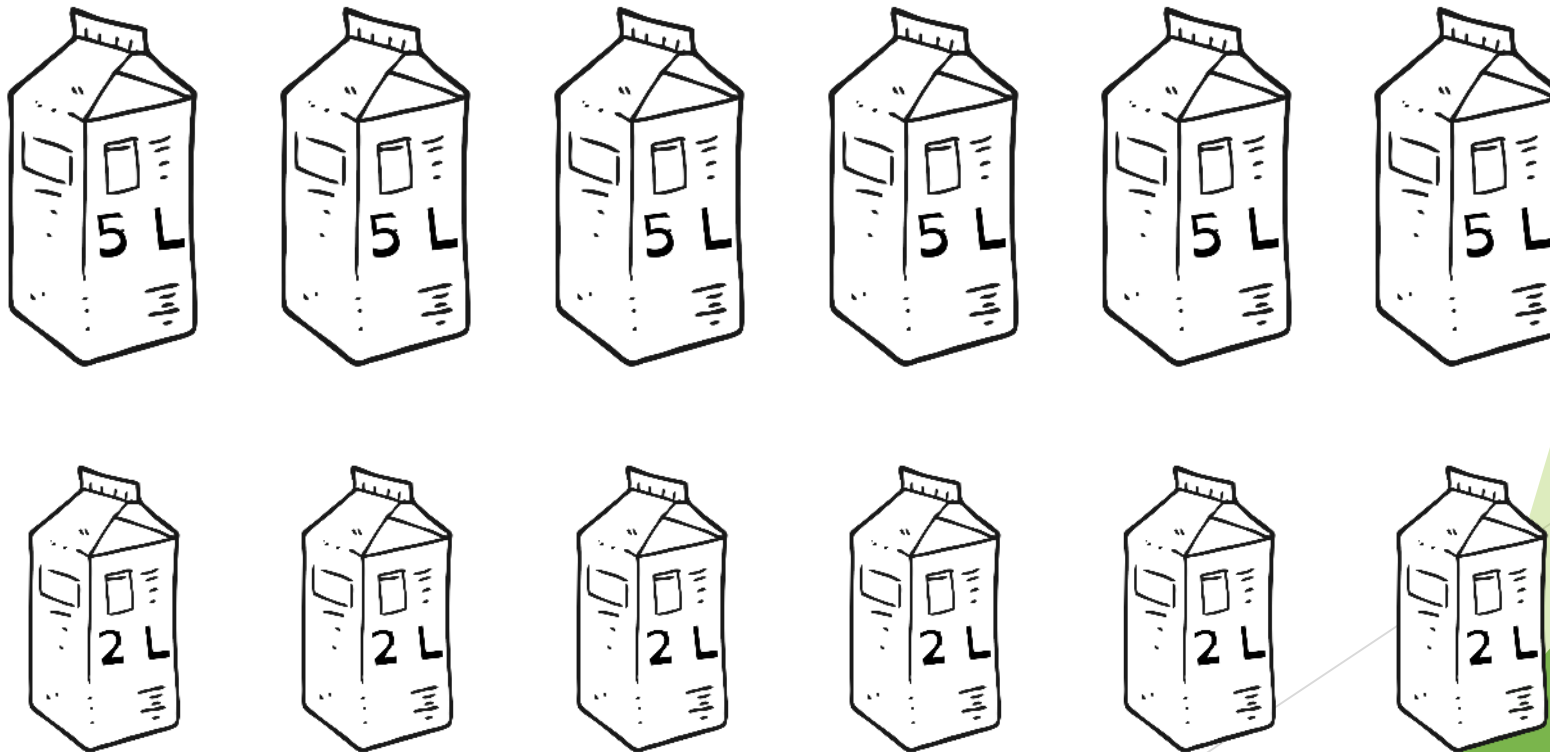
Which cartons below would need to be shaded to make a total of 12 litres?



To be able to measure volume in litres

Talking Time:

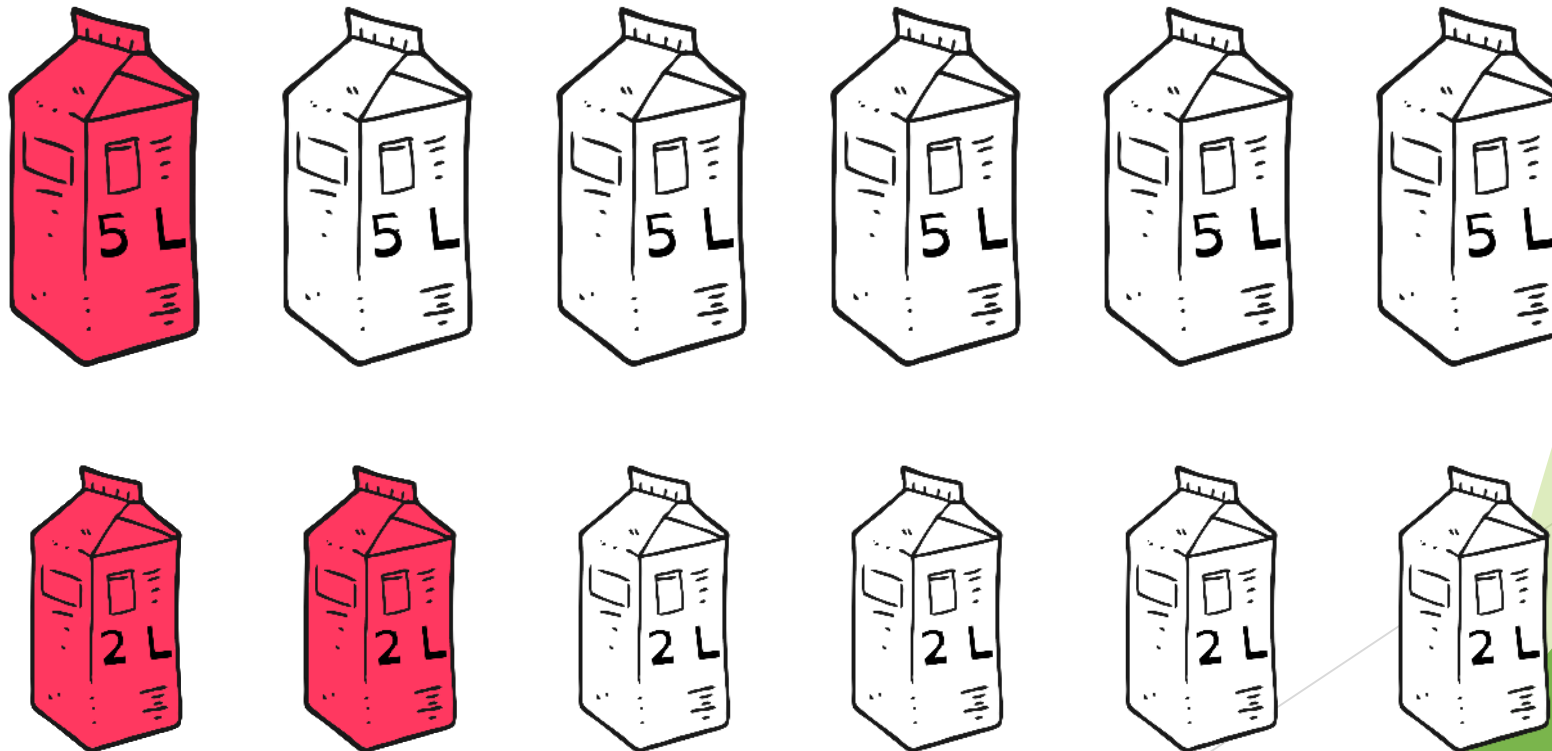
Shade in enough of the cartons below to make a total of 9 litres.



To be able to measure volume in litres

Talking Time:

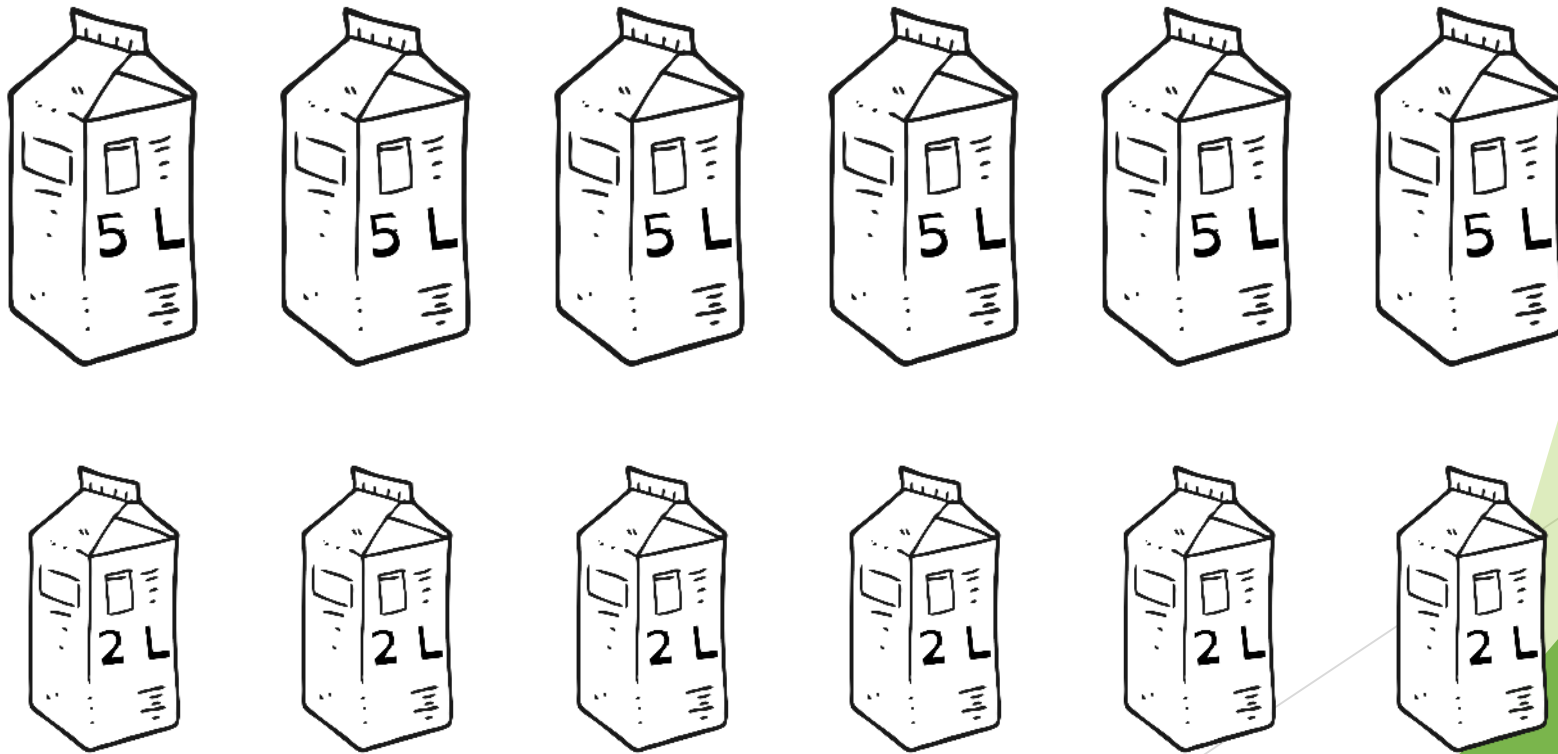
Which cartons below would need to be shaded to make a total of 9 litres?



To be able to measure volume in litres

Activity 4:

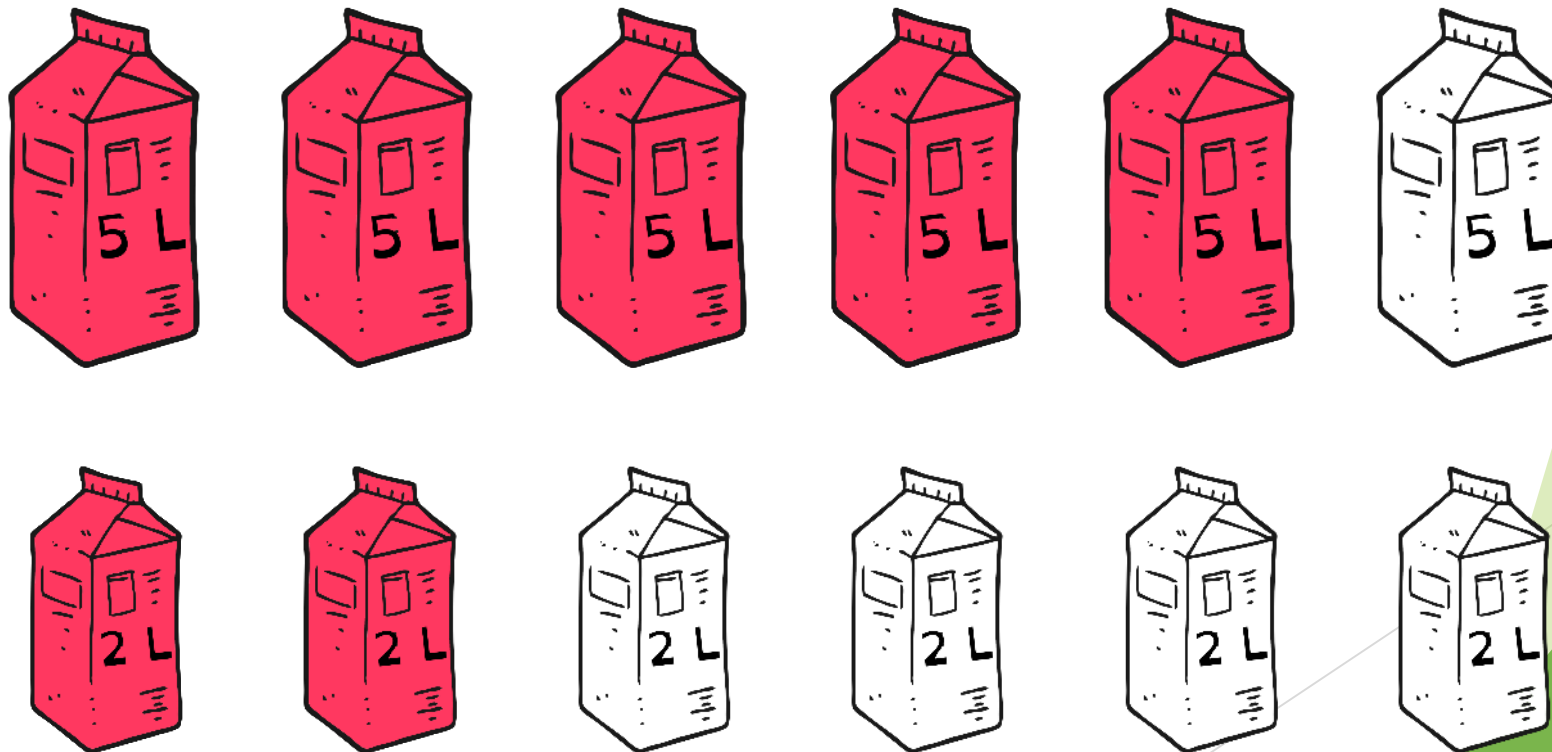
How would you make a total of 29 litres.



To be able to measure volume in litres

Activity 4:

Shade in enough of the cartons below to make a total of 29 litres.

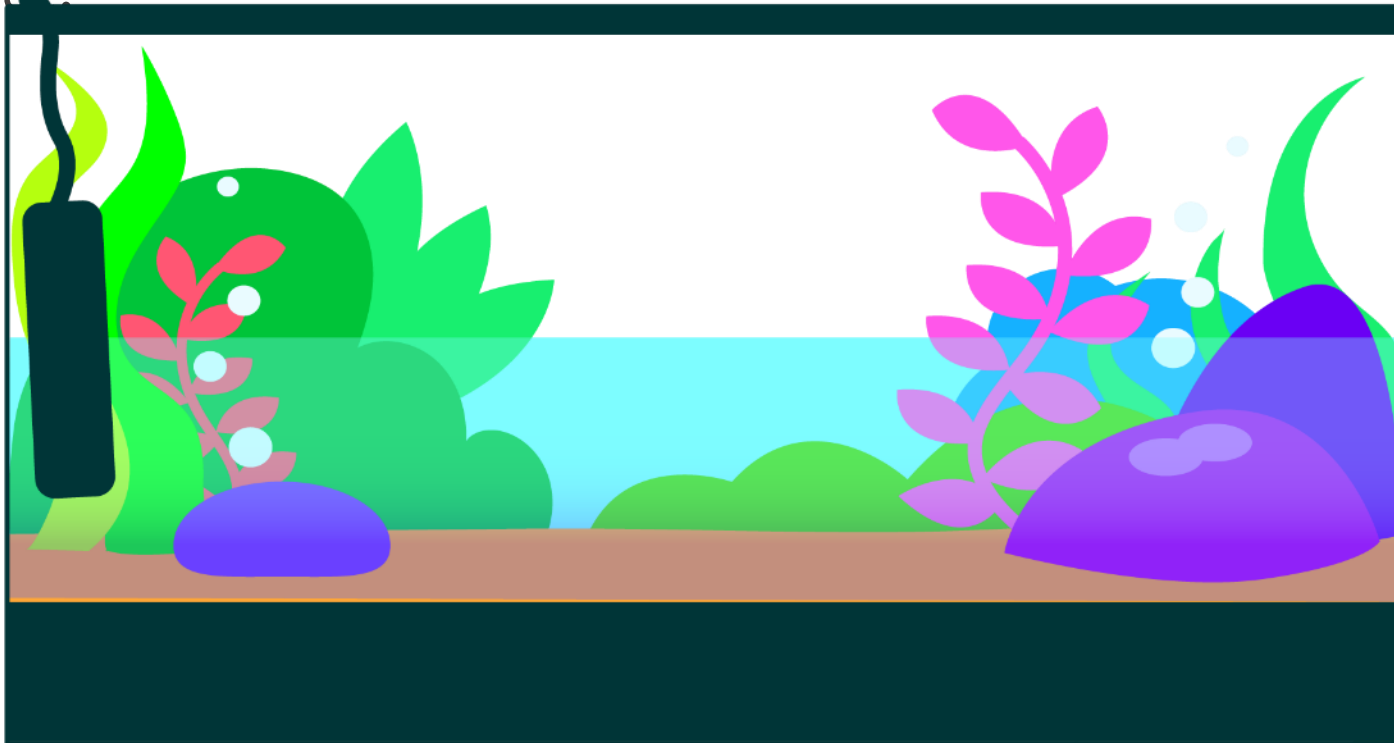


To be able to measure volume in litres

Activity 5:

There are 50 L of water in the fish tank below.

Point to where a line would be to show where the water would go up to if 25 L were poured out.

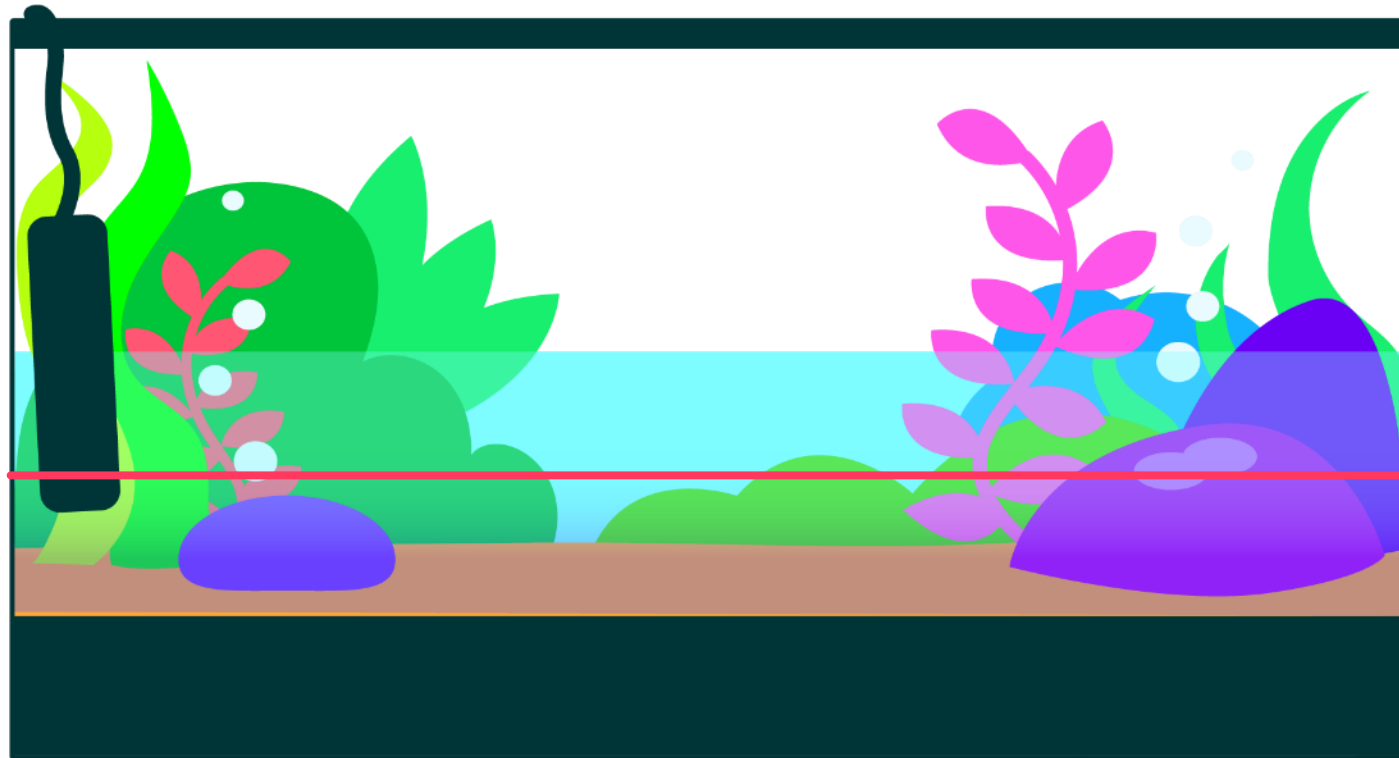


To be able to measure volume in litres

Activity 5:

There are 50 L of water in the fish tank below.

Draw a line to show where the water would go up to if 25 L were poured out.



To be able to measure volume in litres

Activity 6: (You could record this in your book)

Would it be better to measure the following using millilitres or litres?

- a) soup bowl
- b) pond
- c) coffee cup
- d) hot tub

To be able to measure volume in litres

Activity 6:

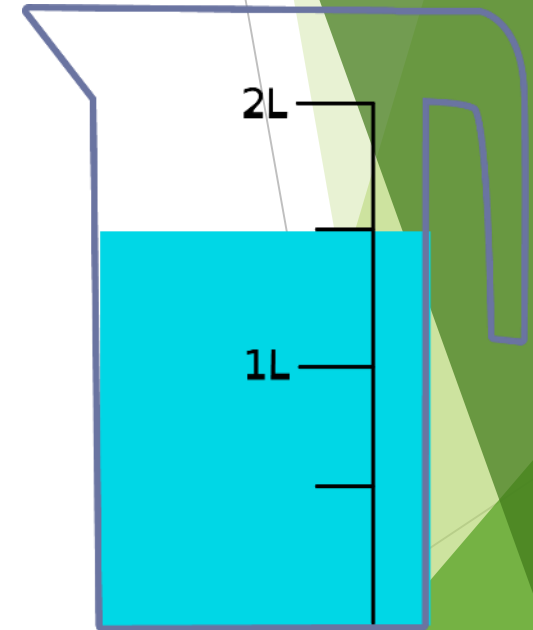
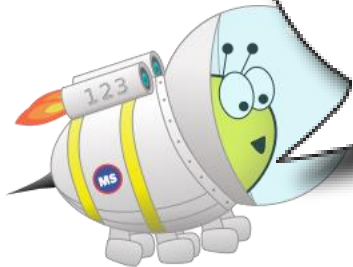
Would it be better to measure the following using millilitres or litres?

- a) soup bowl
millilitres
- b) pond
litres
- c) coffee cup
millilitres
- d) hot tub
litres

To be able to measure volume in litres

Evaluation:

The jug has 3 litres of water in it.



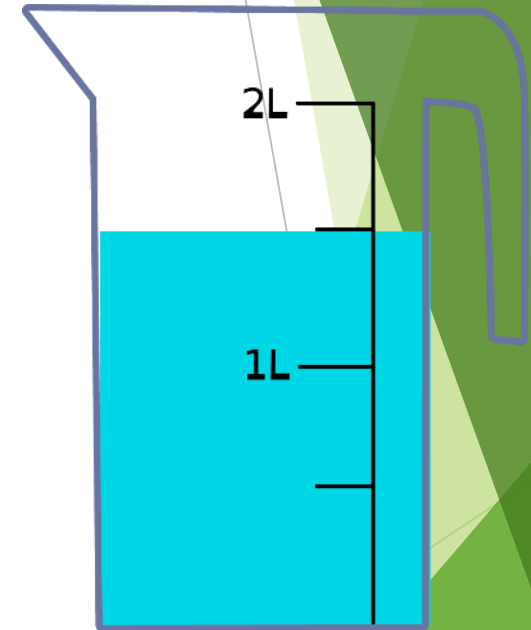
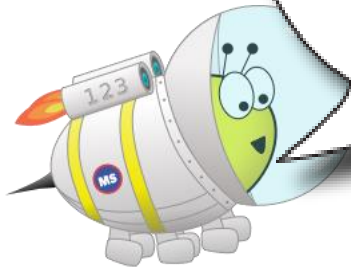
Do you agree?

Explain your answer.

To be able to measure volume in litres

Evaluation:

The jug has 3 litres of water in it.



No, I do not agree. Although the jug has been filled with water to the third line, it has 1 ½ litres of water in it as it is filled halfway between the 1 L and 2 L lines.

To be able to measure volume in litres

Success criteria:

- ✓ I can use various containers with different scales to measure volume in litres
- ✓ I can explain my reasoning when using various containers with different scales to measure volume in litres