Dear Parents/Carers,
This powerpoint takes the children through the learning sequence. If possible please talk through the slides with your child and check their understanding. The slides start at a basic level to re-cap previous learning.

Mass, Capacity and Temperature

12.5.20

12.5.20

LO: I can measure capacity

Steps To Success

Mathematical Vocabulary

Capacity is the amount something can hold.

Volume is the amount of something in the container.

Try this out at home –

Get a jug. How many **millilitres (ml)** does the jug hold? This is the **capacity**.

Fill the jug with 250ml of water. This is the **volume**.

We measure liquid in **millilitres (ml)** and **litres (l).**

There are 1000ml in 1l

Starter

Complete the missing numbers in these sequences.

A	50	100		200	
B	100		300		500
C		100		200	

Starter - answer

Complete the missing numbers in these sequences.

A

| 50 | 100 | **150** | 200 | **250** |

B

| 100 | **200** | 300 | **400** | 500 |

C

| **50** | 100 | **150** | 200 | **250** |

Descriptive Teaching

Complete the sentence.
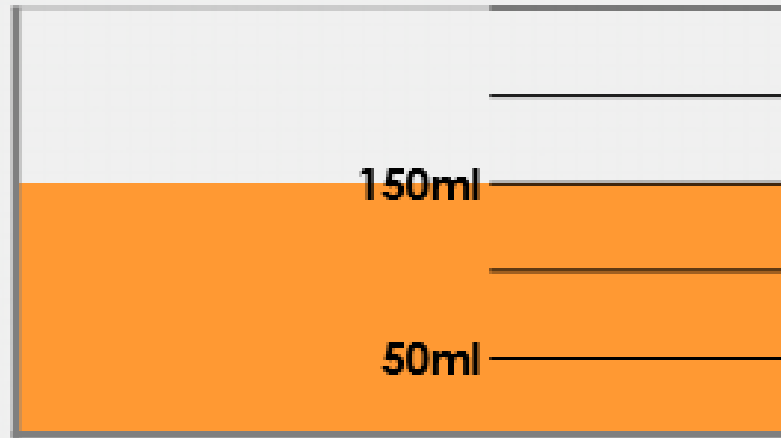
The capacity is ☐ millilitres.

Remember, the volume is the amount of liquid. Capacity is the total amount the jug can hold.

Descriptive Teaching - Answer
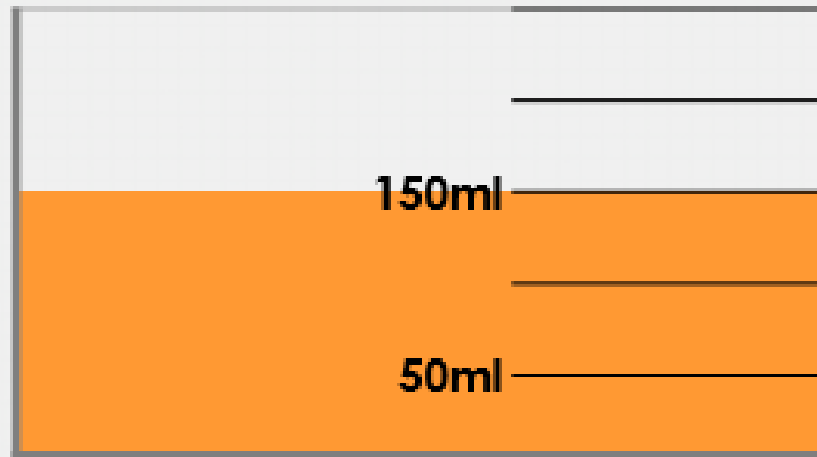
Descriptive Doing

True or false? There are 300ml of liquid in the jug below.

What are the missing increments on the jug?
What is the volume of liquid in the jug?

Descriptive Doing - Answer

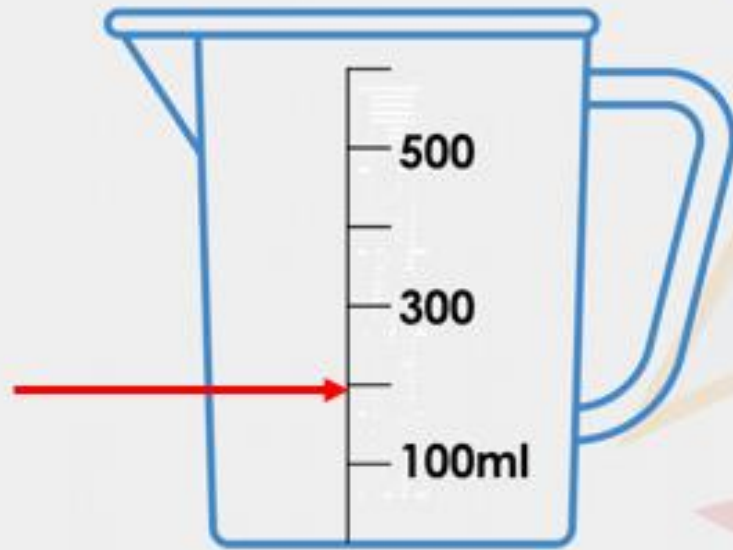True or false? There are 300ml of liquid in the jug below.

250

150

50ml

True

Reflective Teaching

Draw an arrow to show the water level for a volume of 200ml.

500

300

100ml
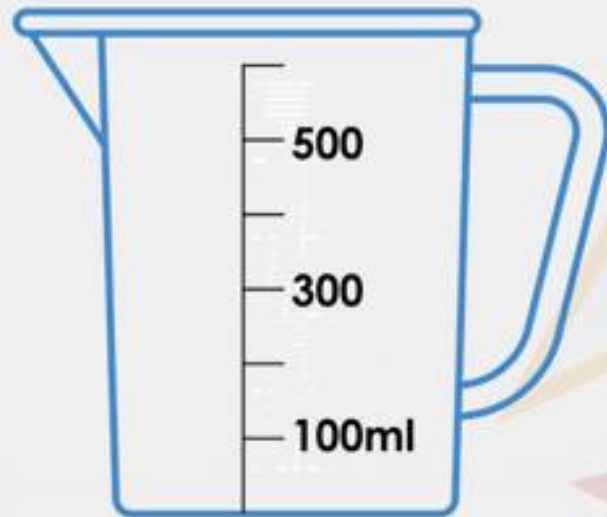
Draw the jug in your book with a arrow pointing to where 200ml is.

Reflective Teaching - Answers

Draw an arrow to show the water level for a volume of 200ml.

Reflective Doing

Match the volumes to the correct containers.

A, B, C containers with volumes 200ml, 3L, 150ml
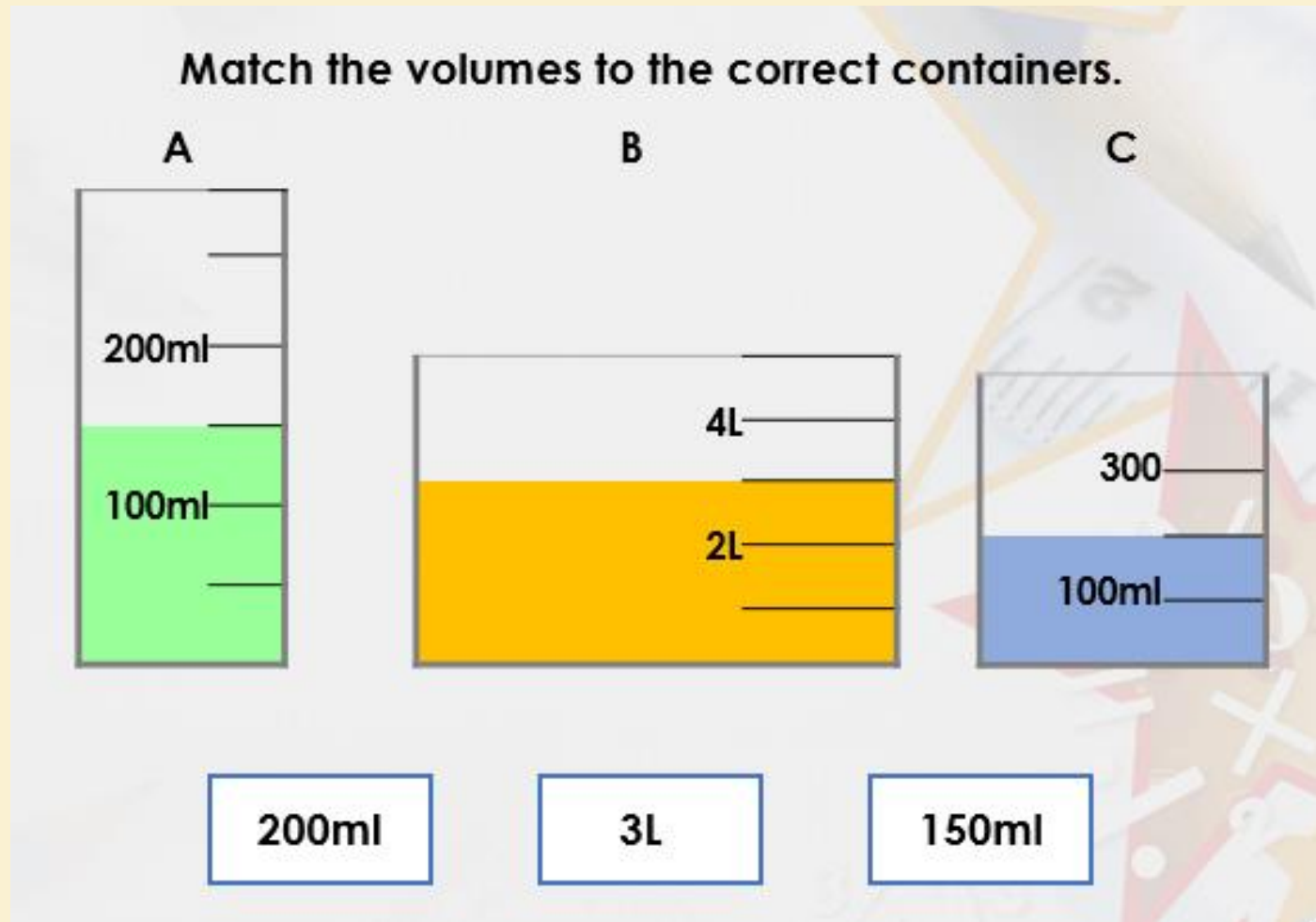
Tell an adult your answers.

Reflective Doing - Answers
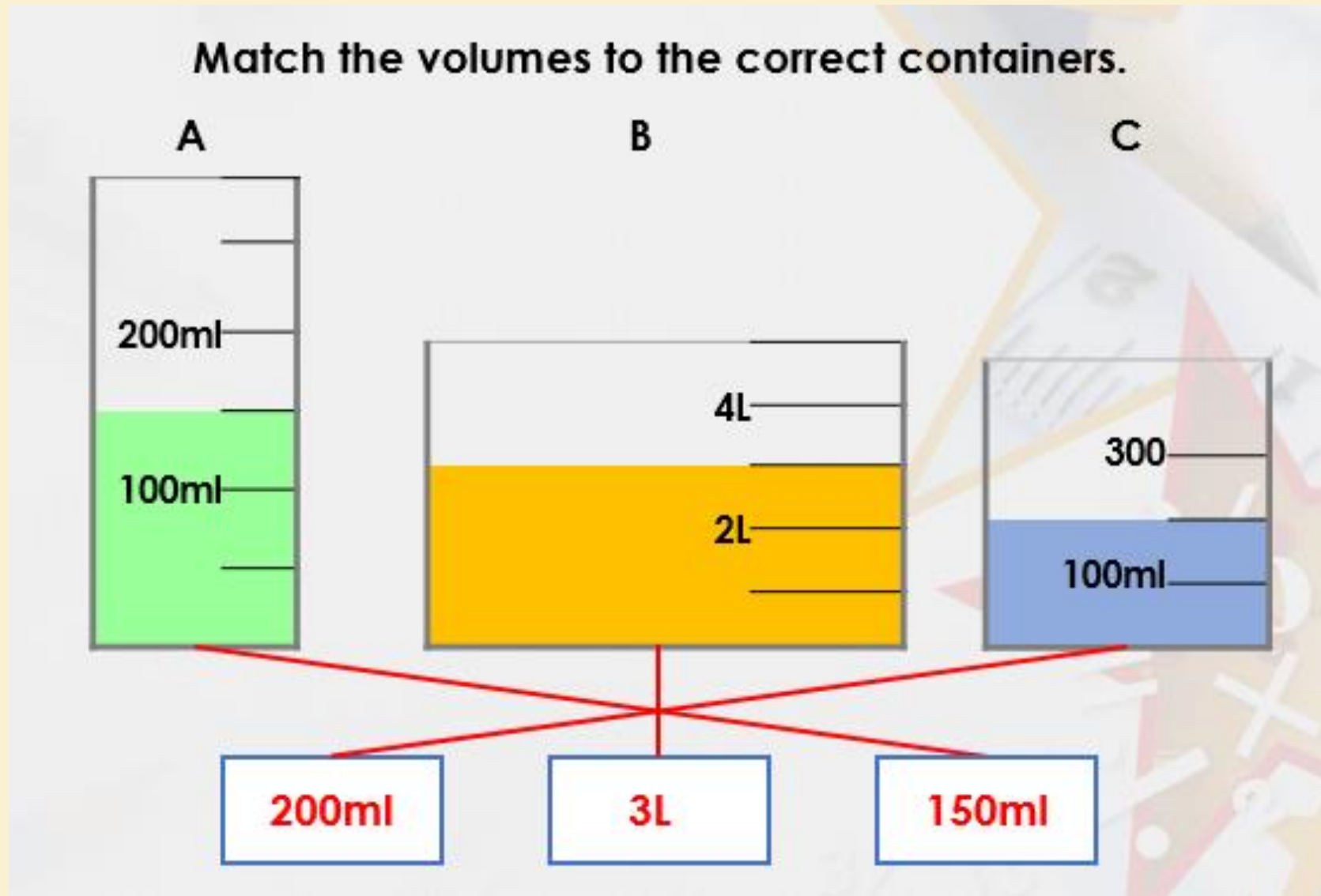
Independent work

The following slides are questions for you to work through independently.

There are 3 sets of work - 1 chili (the easiest), 2 chilies, 3 chilies (the hardest). Choose one set you feel most comfortable with.

Independent work

1a. Complete the sentence.
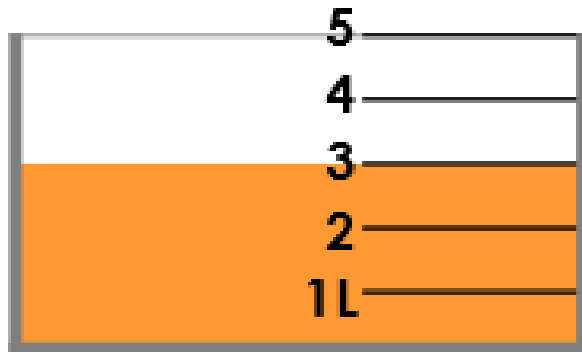
The capacity is ☐ litres.

1b. Complete the sentence.

The capacity is ☐ millilitres.

Independent work

2a. True or false? There are 600L of liquid in the jug.
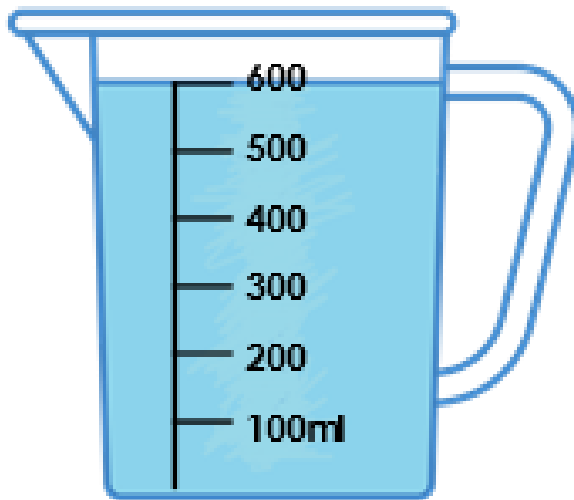
2b. True or false? There are 2L of liquid in the container.
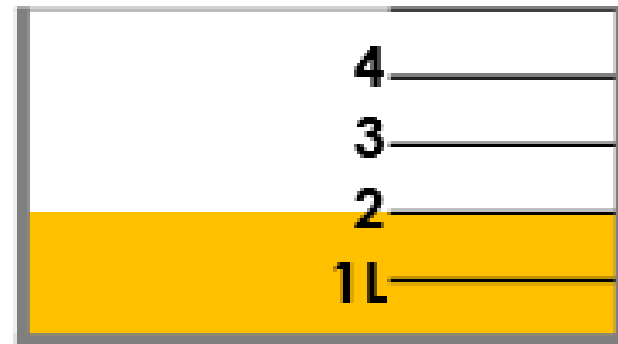
Independent work

3a. Draw an arrow to show the water level for a volume of 400ml.

- 600
- 500
- 400
- 300
- 200
- 100ml
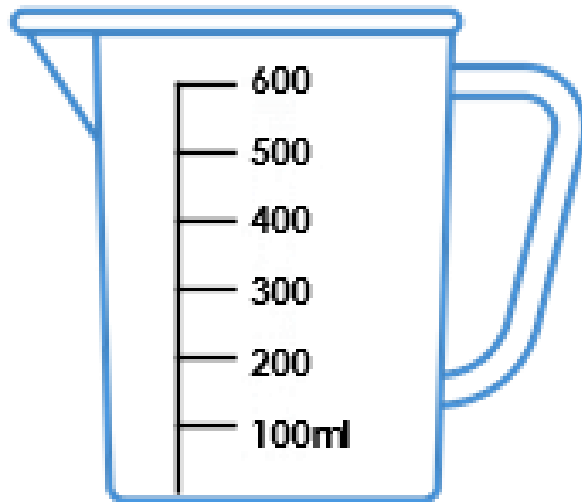
3 VF

3b. Draw an arrow to show the water level for a volume of 3L.

- 4
- 3
- 2
- 1L

3 VF
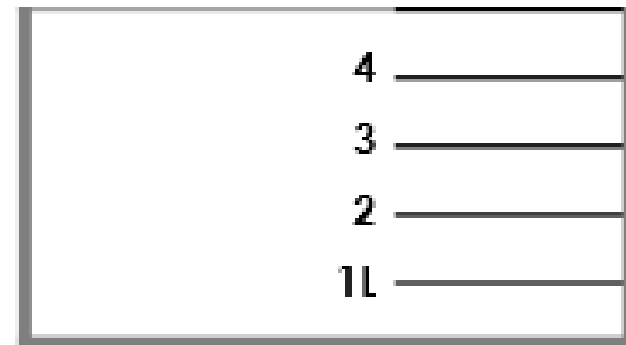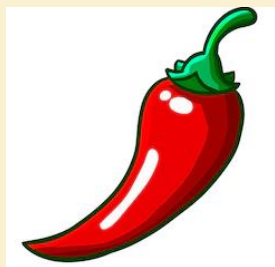
Independent work

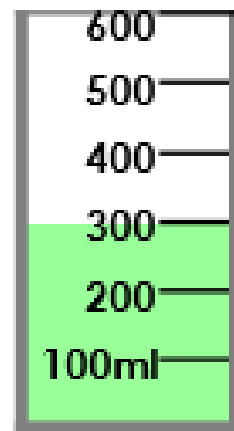## 4a. Match the volumes to the correct containers.
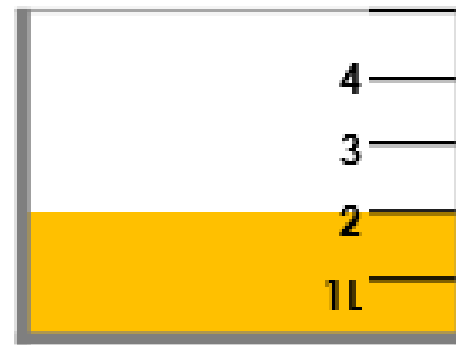
A   B   C

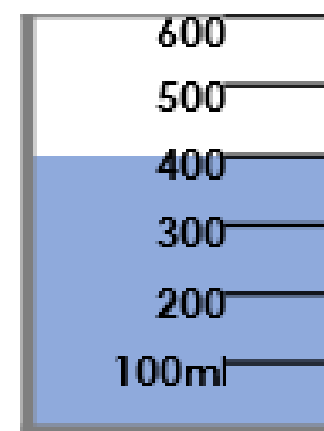| 1L | 500ml | 100ml |
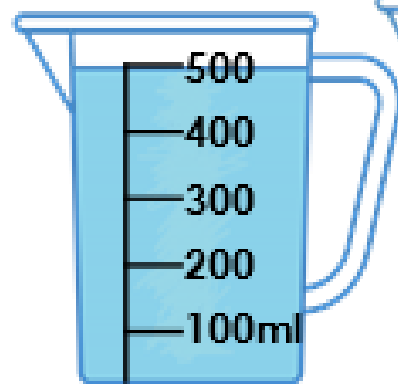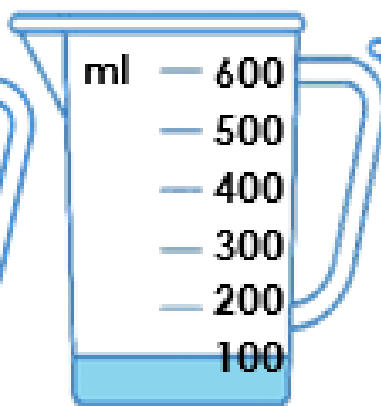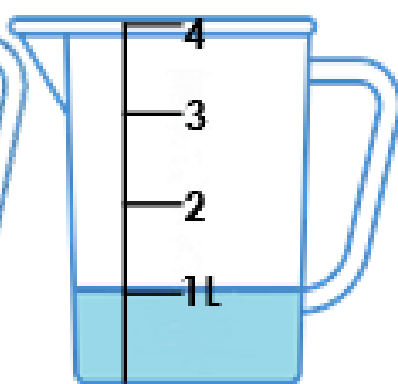
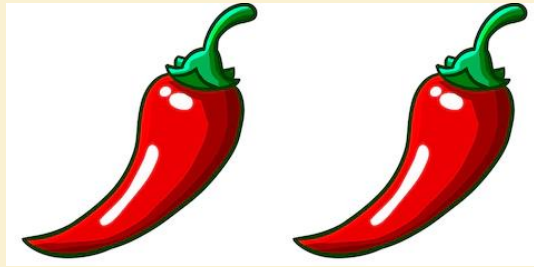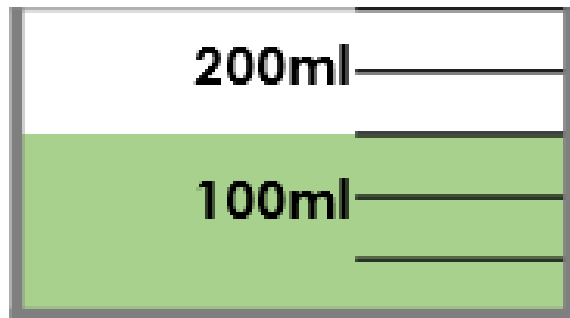## 4b. Match the volumes to the correct containers.

A   B   C

| 2L | 300ml | 400ml |

3 VF

3 VF

Independent work

5a. Complete the sentence.

200ml

100ml

The capacity is [ ] millilitres.

3 VF

5b. Complete the sentence.
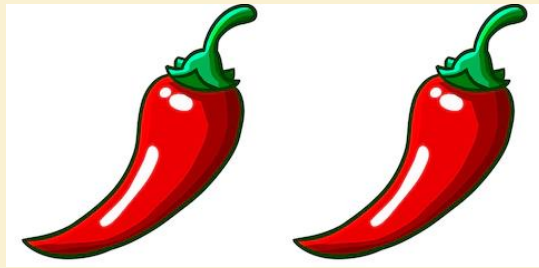
6

4

2L

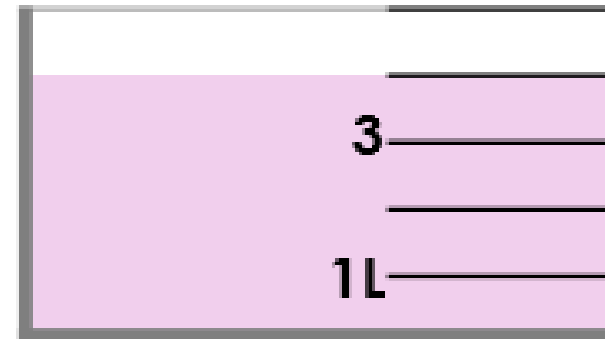The capacity is [ ] litres.

3 VF

Independent work

6a. True or false? There are 7L of liquid in the jug.
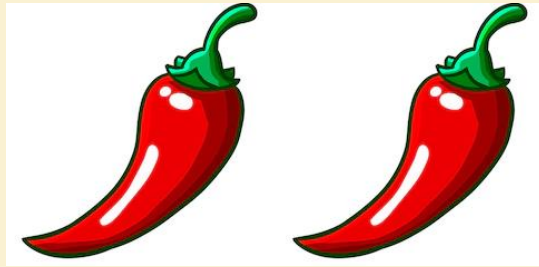

5

3

1L

3 VF

6b. True or false? There are 4L of liquid in the container.
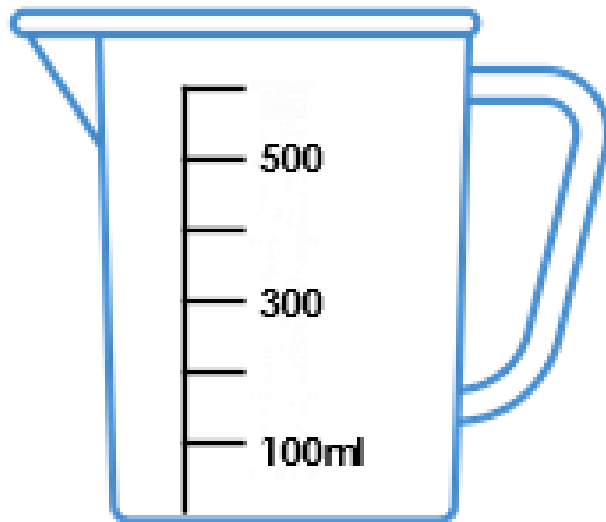

3

1L

3 VF

Independent work
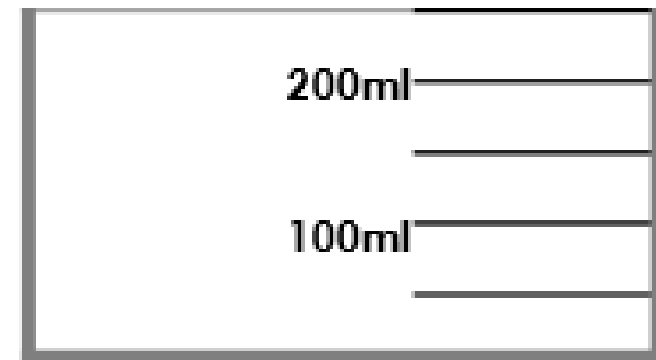
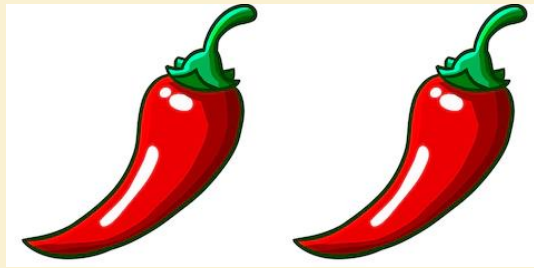7a. Draw an arrow to show the water level for a volume of 400ml.

500
300
100ml

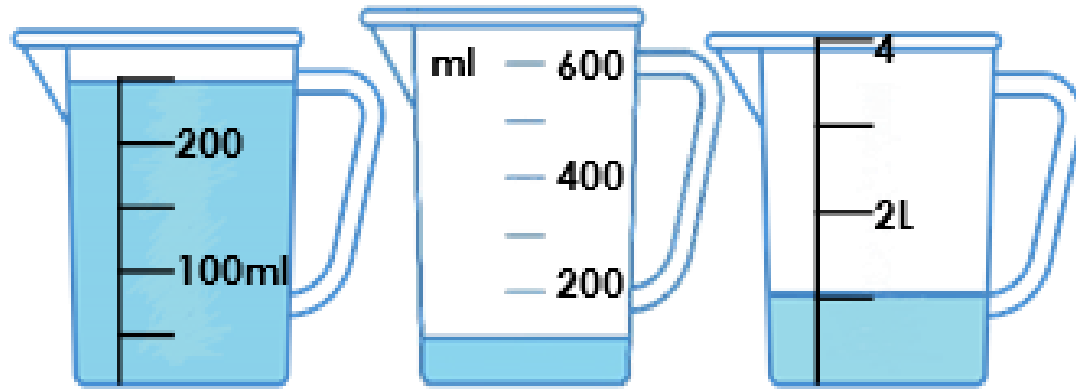7b. Draw an arrow to show the water level for a volume of 150ml.

200ml
100ml

Independent work

8a. Match the volumes to the correct containers.
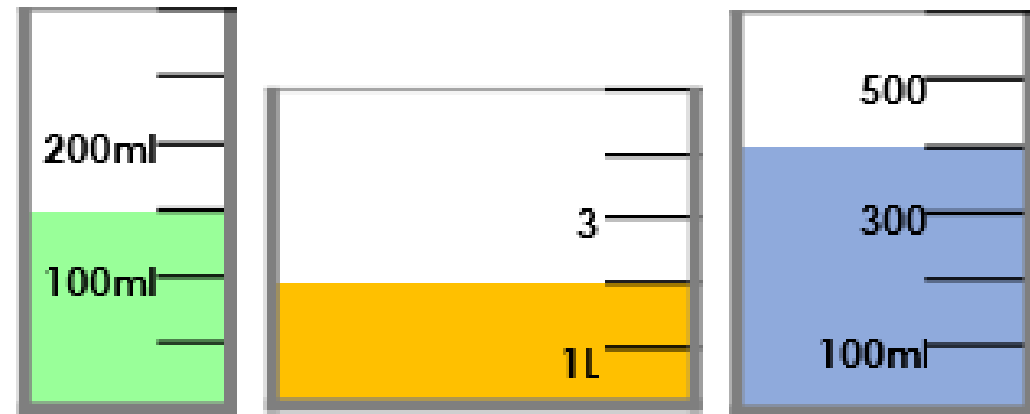
A	B	C

A: 200, 100ml

B: ml 600, 400, 200

C: 4, 2L

1L	100ml	250ml

8b. Match the volumes to the correct containers.

A	B	C

A: 200ml, 100ml

B: 3, 1L

C: 500, 300, 100ml

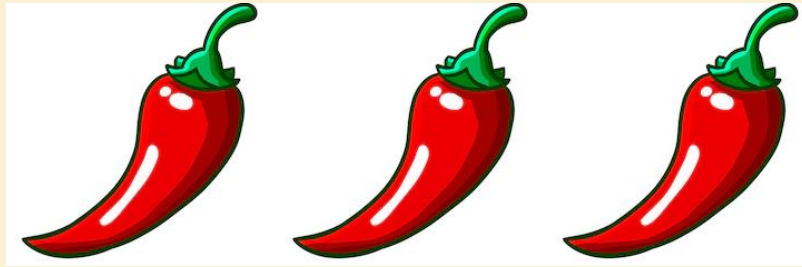| 2L	150ml	400ml

Independent work

9a. Complete the sentence.

8L

4L
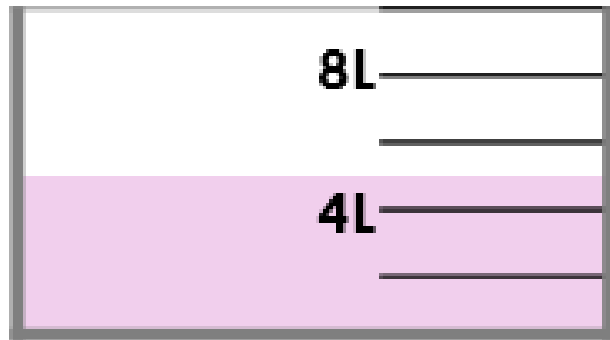
The capacity is ☐ litres.
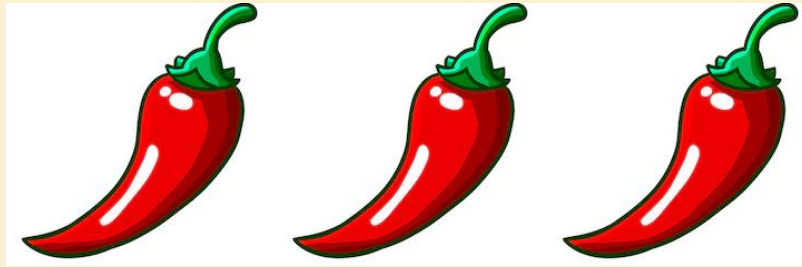
9b. Complete the sentence.

100ml

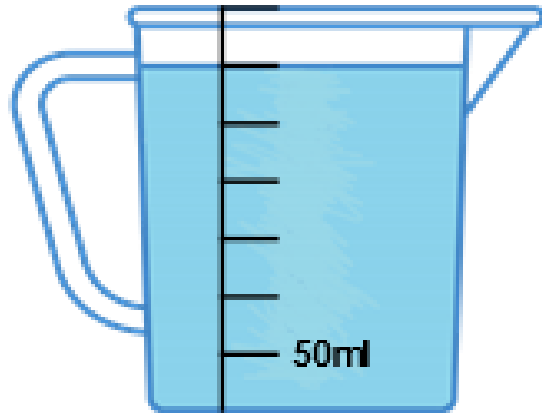The capacity is ☐ millilitres.

3 VF
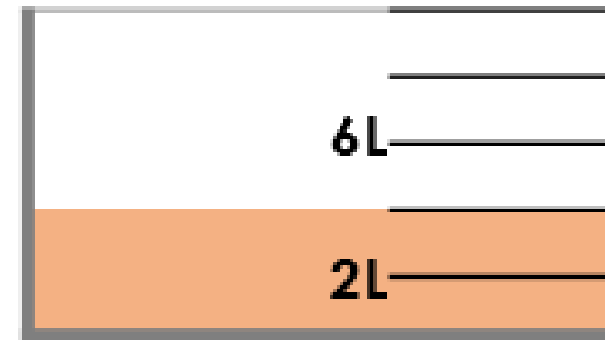
3 VF

Independent work

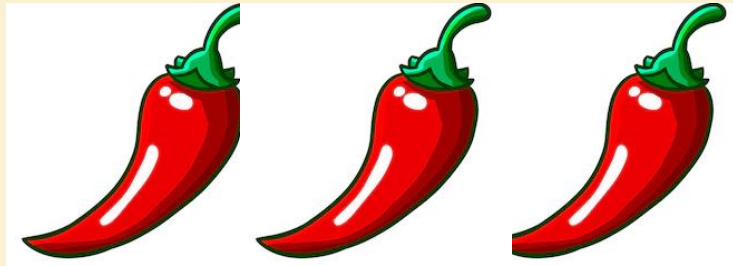10a. True or false? There are 200ml of liquid in the jug.

50ml

3   VF

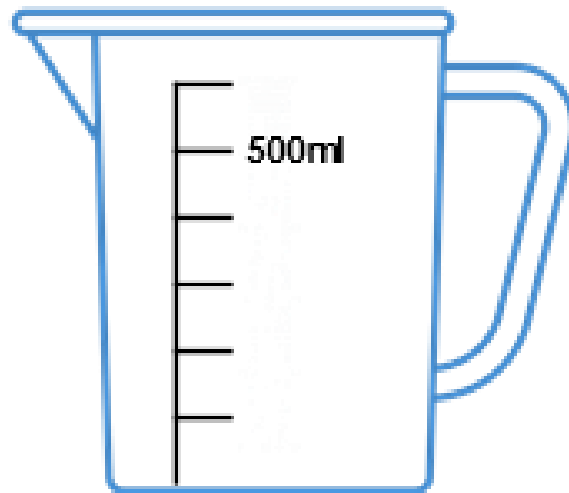10b. True or false? There are 4ml of liquid in the container.
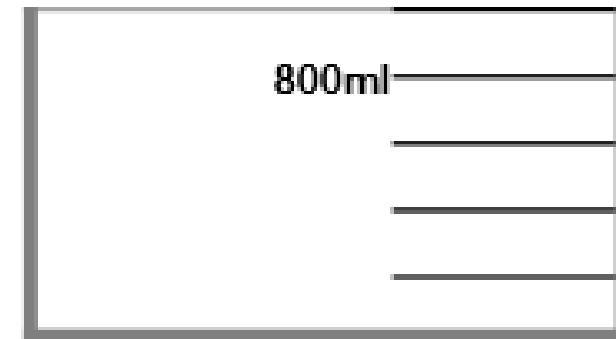

6L

2L

3   VF

Independent work

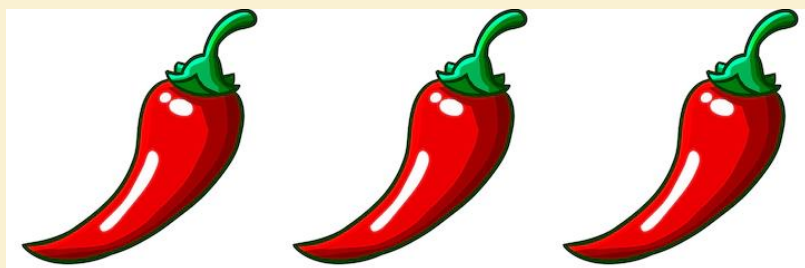**11a.** Draw an arrow to show the water level for a volume of 250ml.

500ml

3   VF

11b. Draw an arrow to show the water level for a volume of 500ml.

800ml
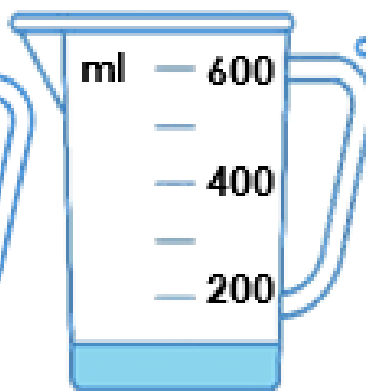
3   VF

Independent work

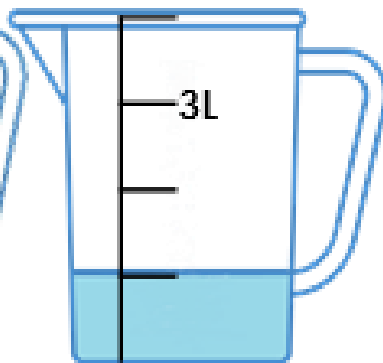## 12a. Match the volumes to the correct containers.
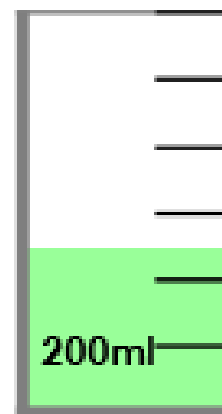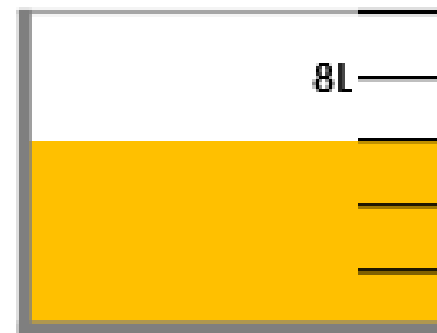
A   B   C

| 1L | 250ml | 100ml |

12b. Match the volumes to the correct containers.
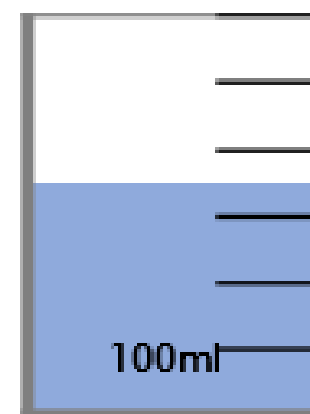
A   B   C

| 6L | 500ml | 350ml |

Answers

Developing

1a. 5L

2a. False. There are 600ml.

3a. Arrow drawn at 4th increment from the bottom.

4a. A = 500ml, B = 100ml, C = 1L.

Expected

5a. 250ml

6a. False. There are 6L.

7a. Arrow drawn at 4th increment from the bottom.

8a. A = 250ml, B = 100ml, C = 1L.

Greater Depth

9a. 10L

10a. False. There are 300ml.

11a. Arrow drawn between 2nd and 3rd increments from the bottom.

12a. A = 250ml, B = 100ml, C = 1L.

Developing

1b. 500ml

2b. True.

3b. Arrow drawn at 3rd increment from the bottom.

4b. A = 300ml, B = 2L, C = 400ml.

Expected

5b. 7L

6b. True.

7b. Arrow drawn at 3rd increment from the bottom.

8b. A = 150ml, B = 2L, C = 400ml.

Greater Depth

9b. 350ml

10b. False. There are 4L.

11b. Arrow drawn between 2nd and 3rd increments from the bottom.

12b. A = 500ml, B = 6L, C = 350ml

Reflection Time
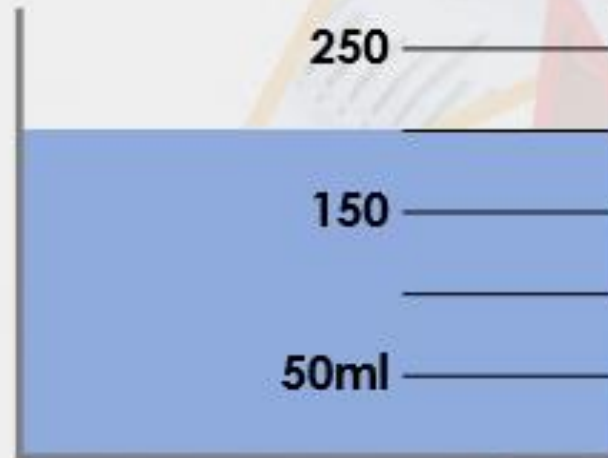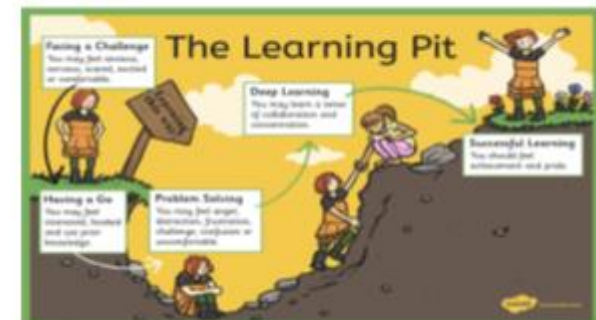

Is Aisha correct? Explain your answer.

I have 200ml of liquid in my container.

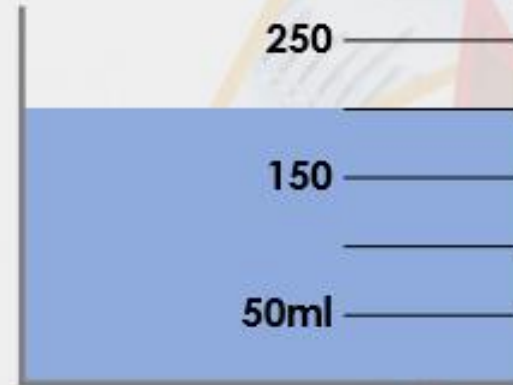Take time to reflect

The Learning Pit

Reflection Time - Answers

Is Aisha correct? Explain your answer.

I have 200ml of liquid in my container.

250

150

50ml

Alisha is correct because the scale is in increments of 50ml. The water level is between 150ml and 250ml so the volume of the liquid is 200ml.

Take time to reflect

The Learning Pit