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

1.6.20

1.6.20

LO: I can compare capacity

Mathematical Vocabulary

Capacity is the amount something can hold.

Volume is the amount of something in the container.

Try this out at home –

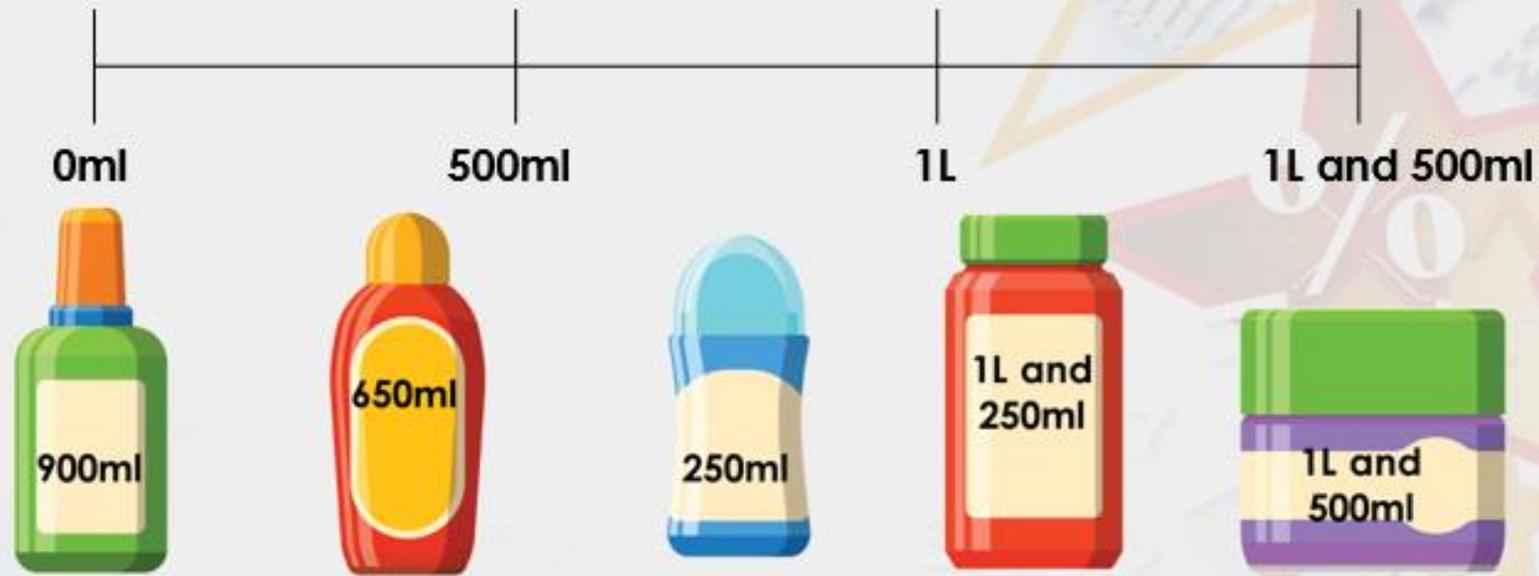Get a jug. How many **millilitres (ml)** does the jug hold? This is the **capacity**.

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

We measure liquid in **millilitres (ml)** and **litres (l).**
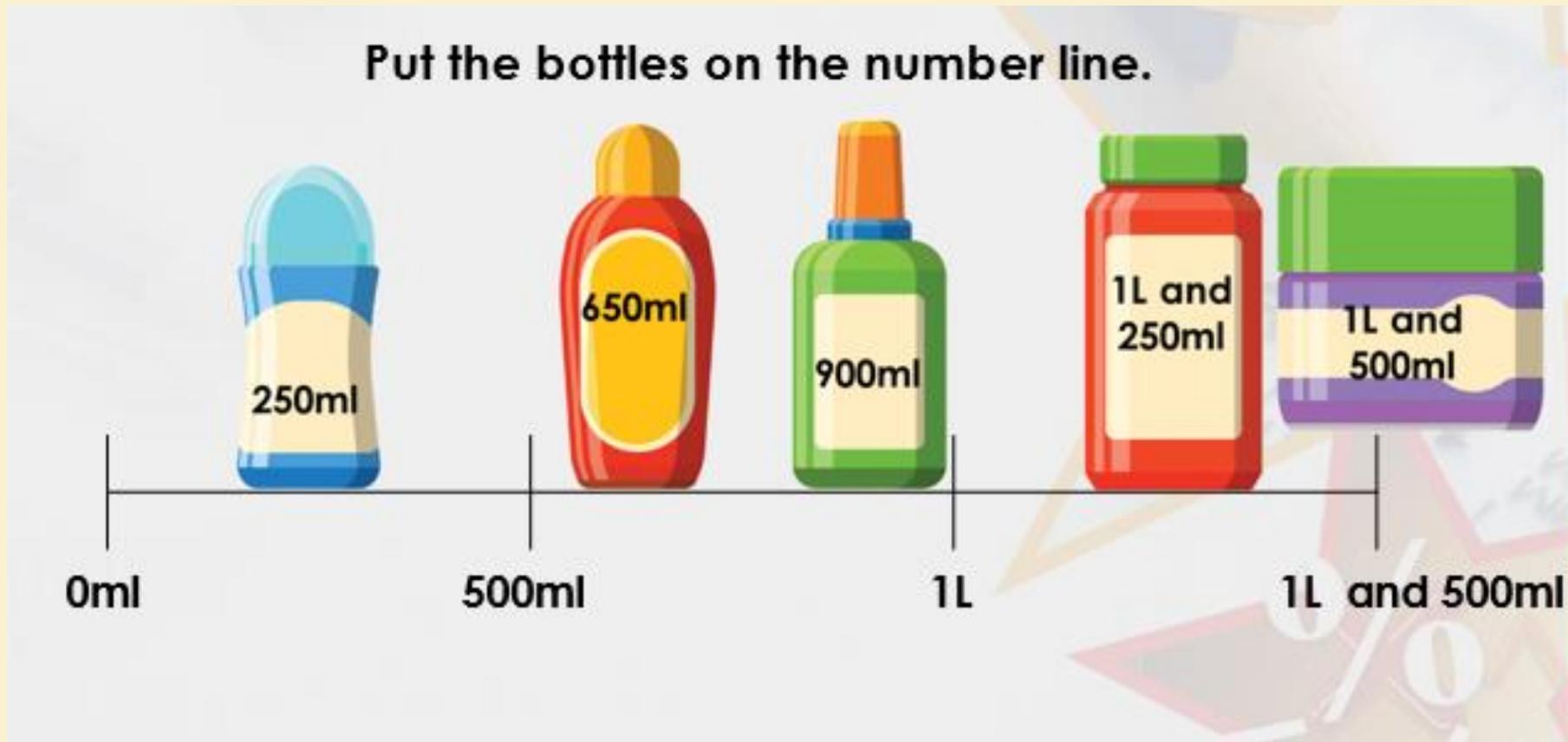
There are 1000ml in 1l

Starter
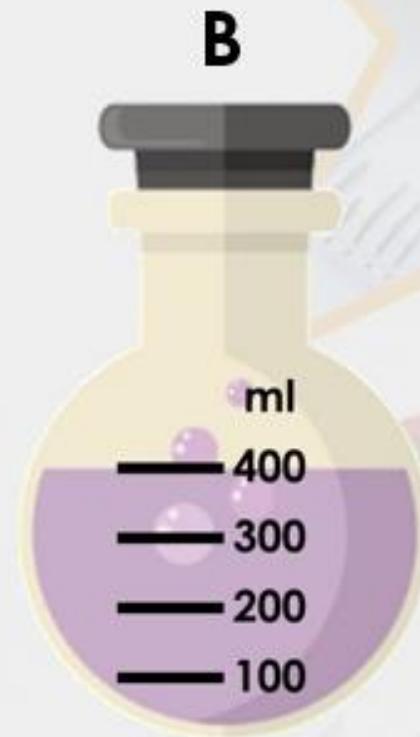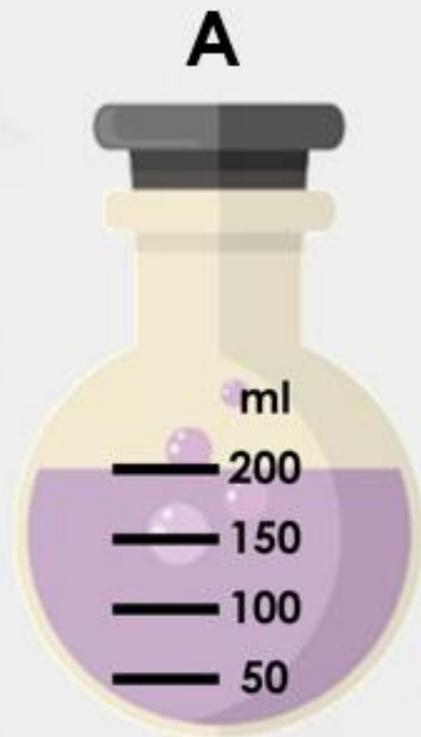

Put the bottles on the number line.

0ml   500ml   1L   1L and 500ml

900ml   650ml   250ml   1L and 250ml   1L and 500ml

Draw a number line in your book and put the units of measurement in the correct order, smallest to largest.

Starter - answer

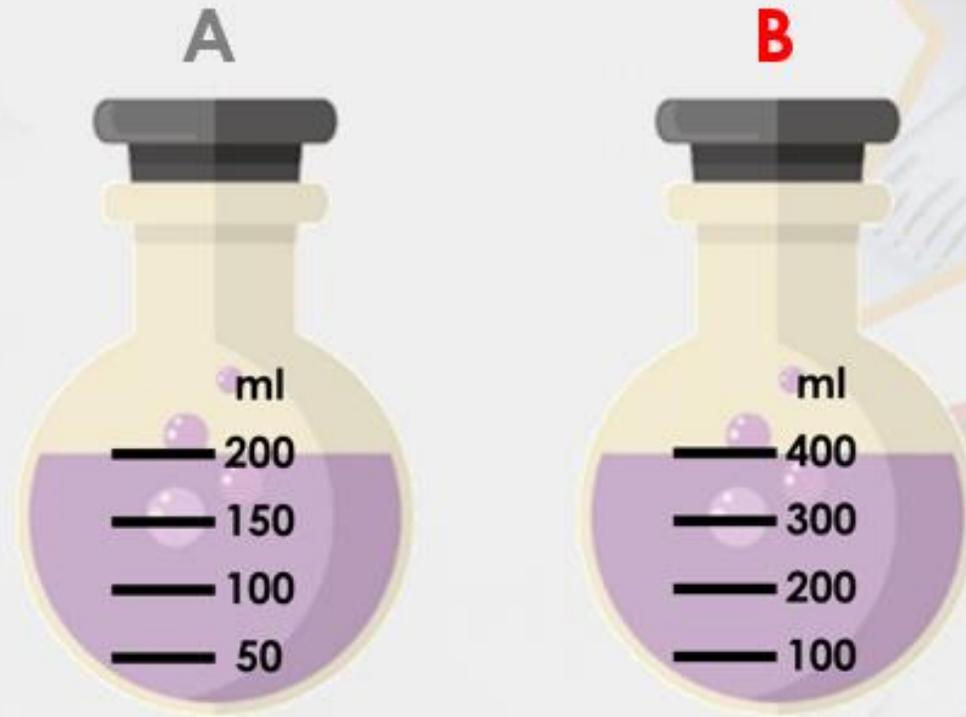Put the bottles on the number line.

250ml   650ml   900ml   1L and 250ml   1L and 500ml

0ml   500ml   1L   1L and 500ml

Descriptive Teaching

Tell an adult your answer and explain your reasoning.

Descriptive Teaching - Answer

Which container holds the least amount of liquid?

A

B

ml
200
150
100
50

ml
400
300
200
100

Container A has the smallest capacity as it only holds 200ml whereas container B holds 400ml.

Descriptive Doing

Use < or > to complete the sentences.

1L ☐ 10ml

750ml ☐ 2L

Which unit of measurement is the greatest? Write the problem and the answers in your book.

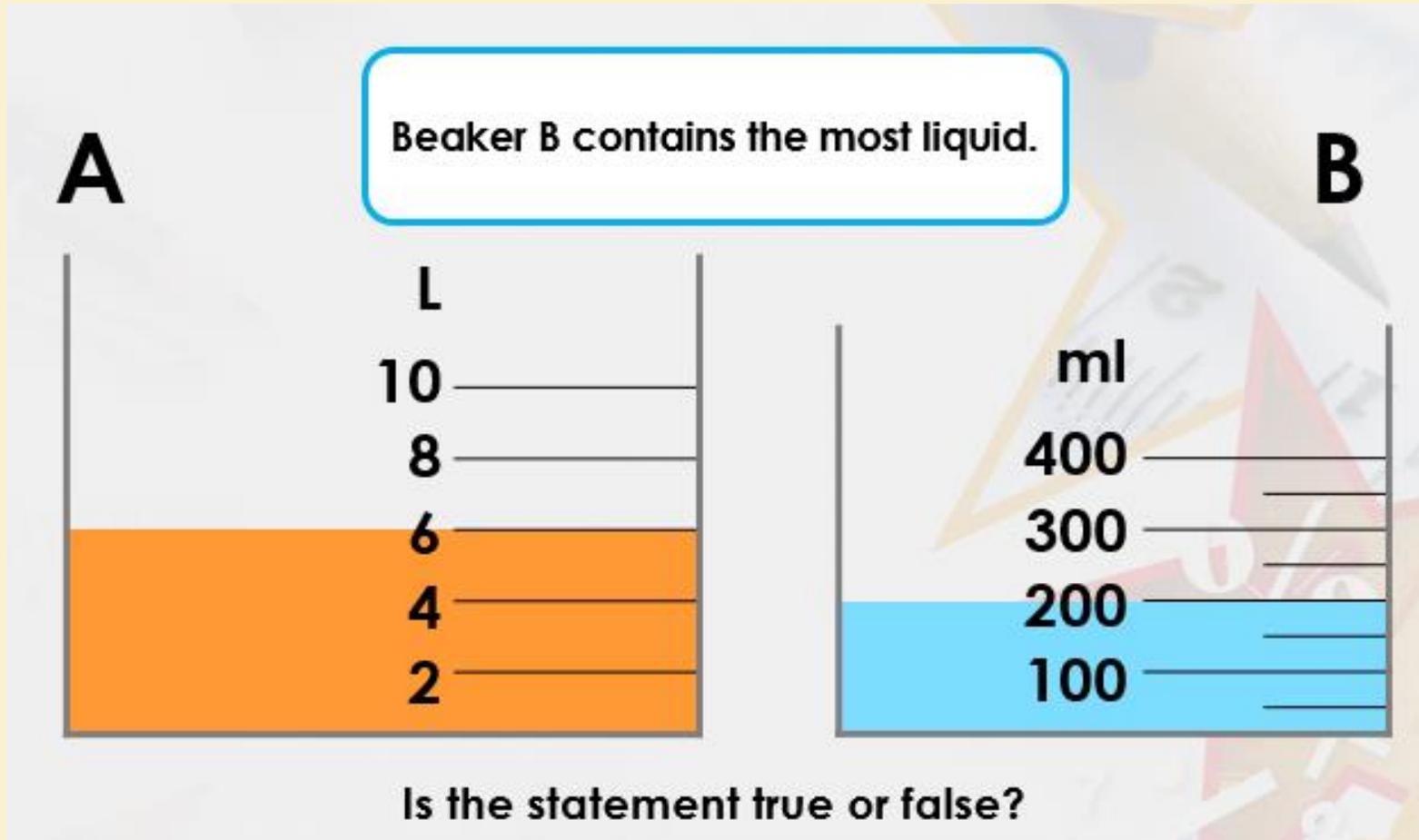# Descriptive Doing - Answer

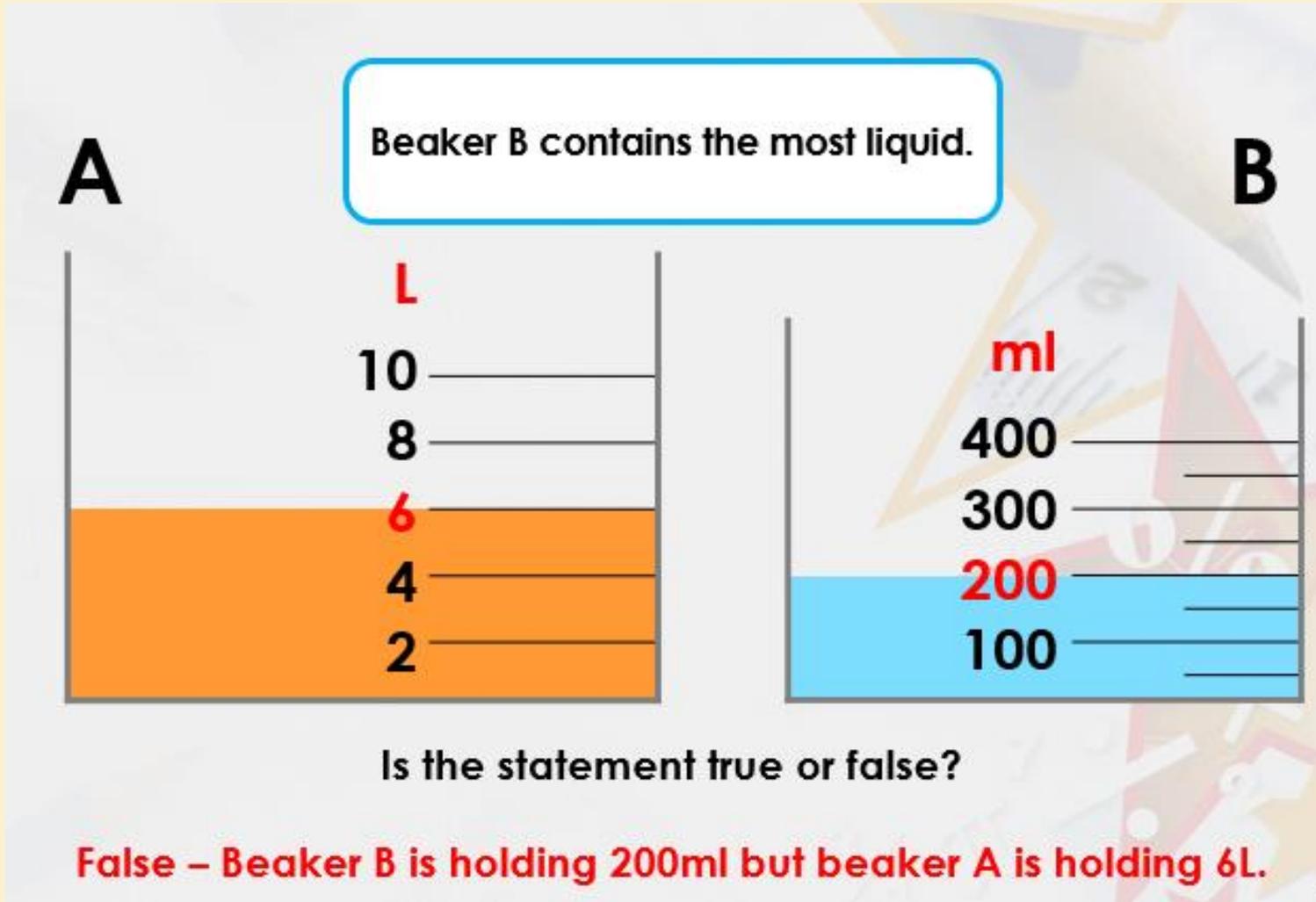Use < or > to complete the sentences.
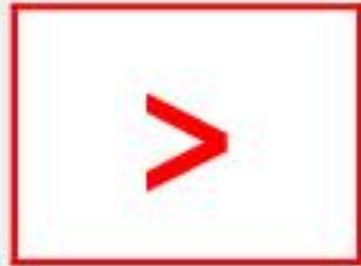
1L > 10ml

750ml < 2L

Reflective Teaching

Beaker B contains the most liquid.

Is the statement true or false?
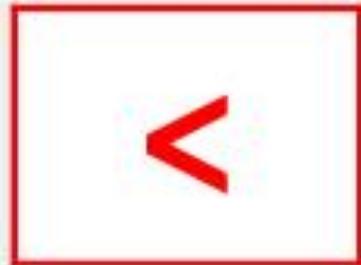
Look at the unit of measurement.

Reflective Teaching - Answers

Beaker B contains the most liquid.

A

L
10
8
6
4
2

B

ml
400
300
200
100

Is the statement true or false?

False – Beaker B is holding 200ml but beaker A is holding 6L.

Reflective Doing

One bottle has a capacity of 250ml. How many bottles equal the capacity of the jug?

250ml

750ml

Tell an adult your answer. Explain your reasoning.

Reflective Doing - Answers

One bottle has a capacity of 250ml. How many bottles equal the capacity of the jug?

750ml

250ml

3 bottles

250 x 3 = 750

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
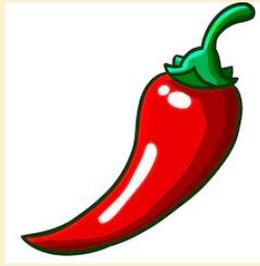

1a. Which container holds the least amount of liquid?

A — 600 ml, 400, 200
B — 300 ml, 200, 100
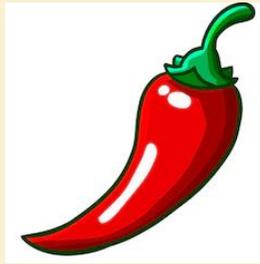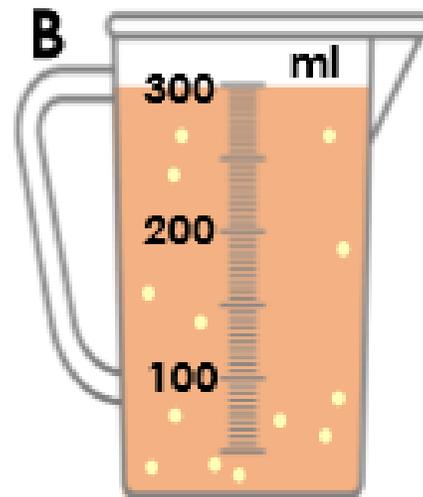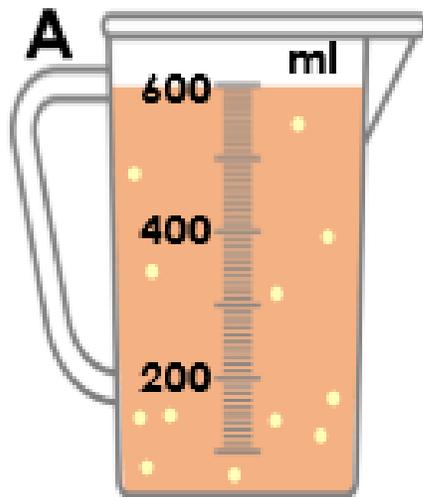
1b. Which container holds the most amount of liquid?

A — 50 L, 40, 30, 20, 10
B — L 60, 40, 20
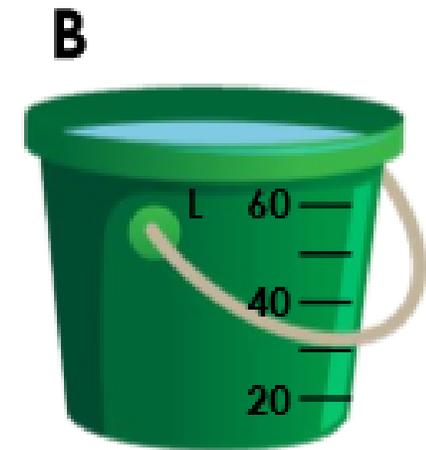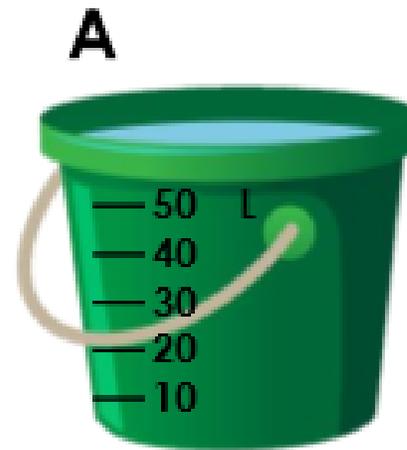
Independent work

2a. Write the letter of the container that holds the most:

A — 1L

B — 5L

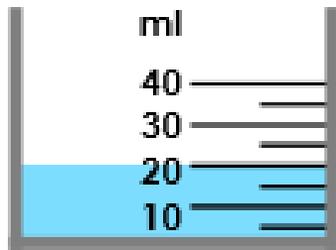## 2b. Write the letter of the container that holds the least:

A — 1L

B — 10L
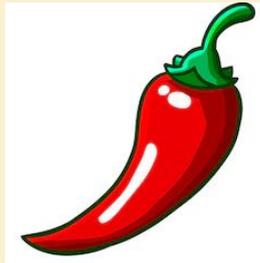
Independent work

3a. Is the statement below true or false?
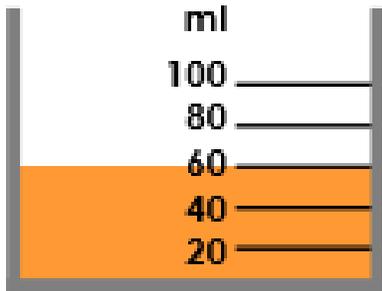
A   B

Beaker A has the most liquid in it.

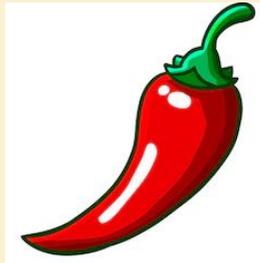## 3b. Is the statement below true or false?
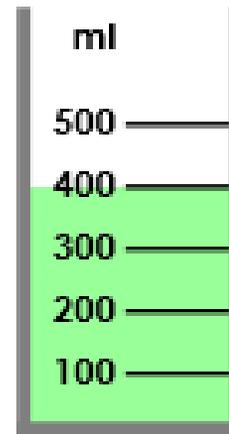
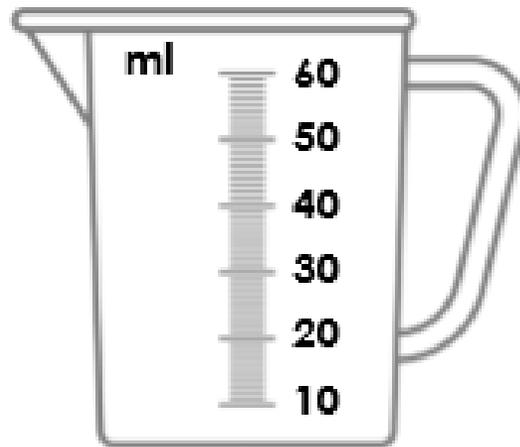A   B
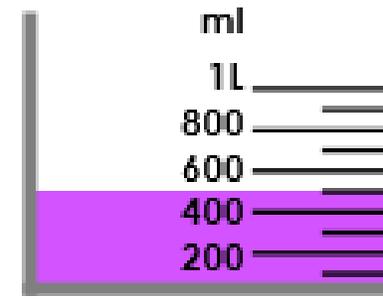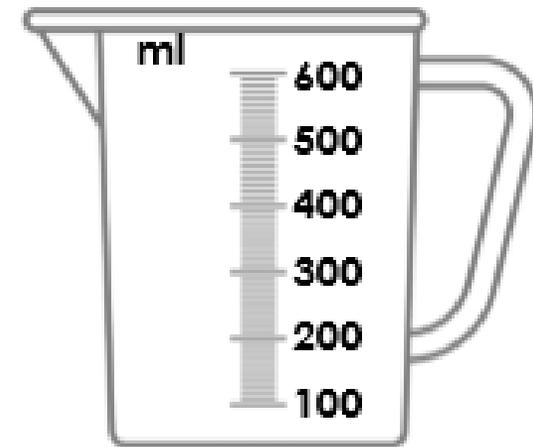
Beaker B has the least liquid in it.

Independent work

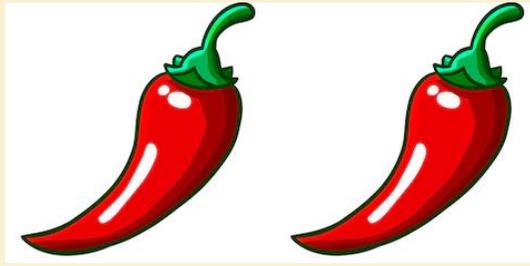4a. One bottle has a capacity of 20ml. How many bottles equal the capacity of the jug?

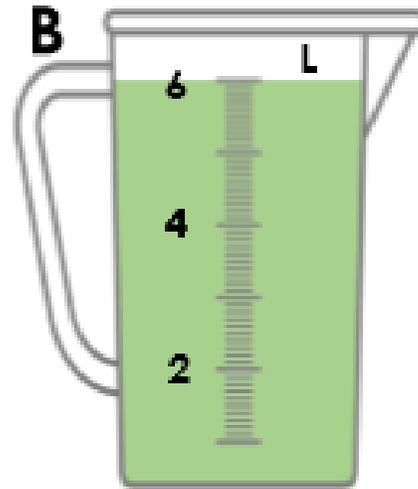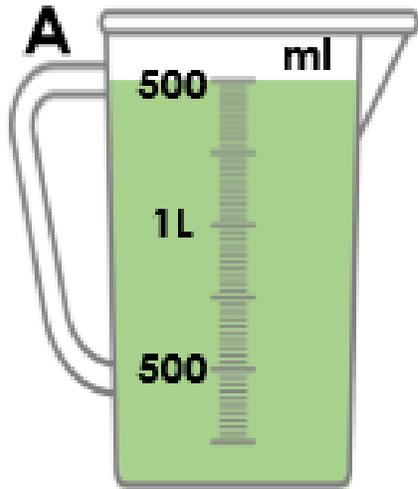4b. One glass has a capacity of 200ml. How many glasses equal the capacity of the jug?

Independent work

5a. Which jug holds the least amount of liquid?
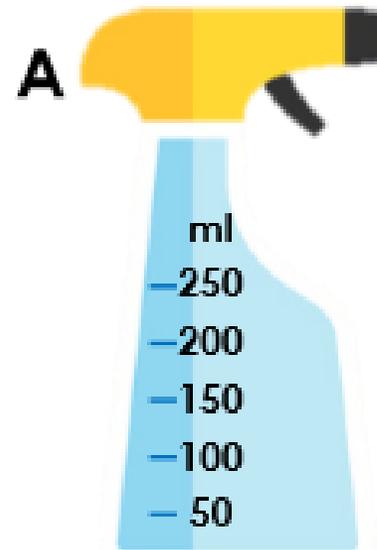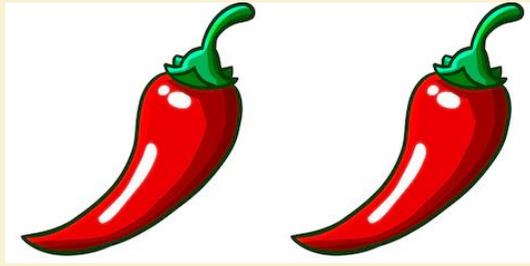
A

ml
500
1 L
500

B

L
6
4
2

3   VF

5b. Which spray bottle holds the most amount of liquid?

A

ml
—250
—200
—150
—100
— 50

B

ml
—125
—100
— 75
— 50
— 25

3   VF
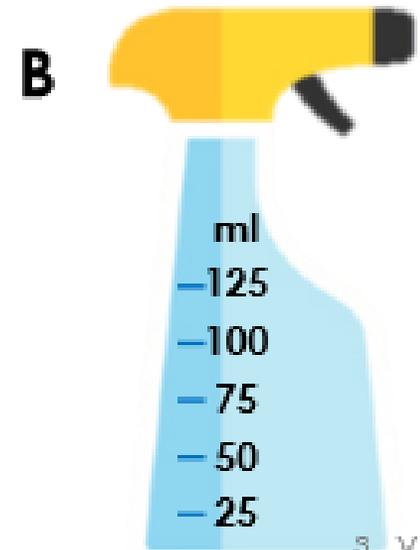
Independent work

6a. Use < or > to complete the following:

750ml ◯ 1L
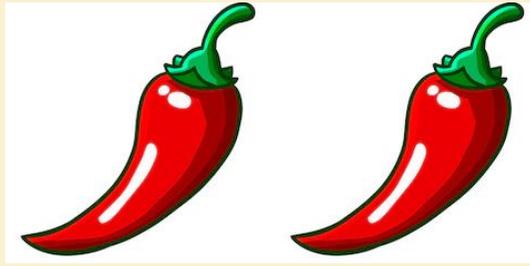
200ml ◯ 2L

6b. Use < or > to complete the following:

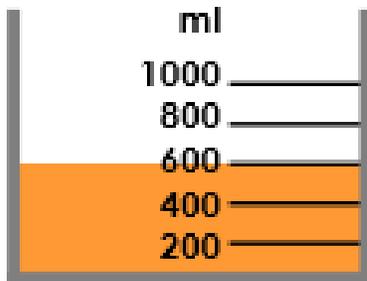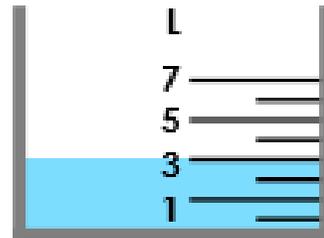50ml ◯ 1L

1L ◯ 900ml

Independent work

7a. Is the statement below true or false?

A   B

ml
1000
800
600
400
200

L

7
5
3
1

Beaker A contains the least liquid.

3   VF

7b. Is the statement below true or false?

A   B

L

5
4
3
2
1

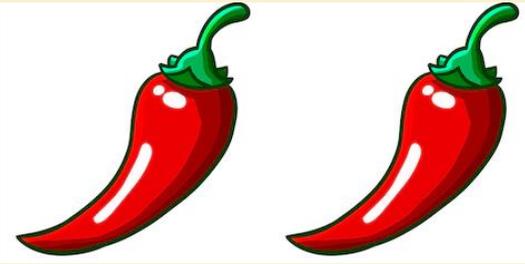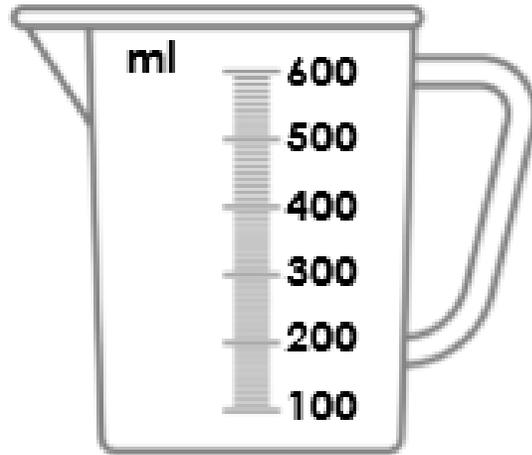| ml |
|---|
| 900 |
| 700 |
| 500 |
| 300 |
| 100 |

Beaker B contains the most liquid.

3   VF
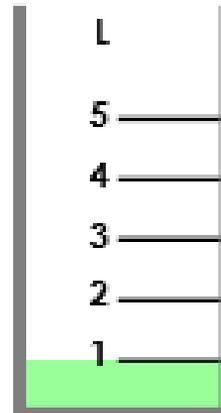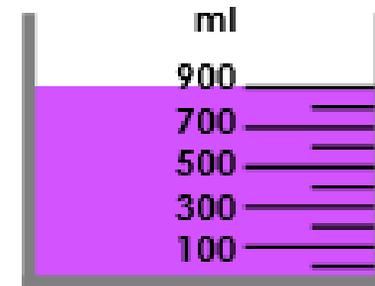
Independent work

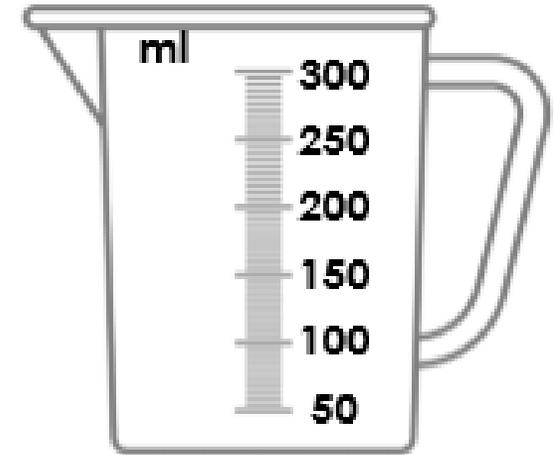
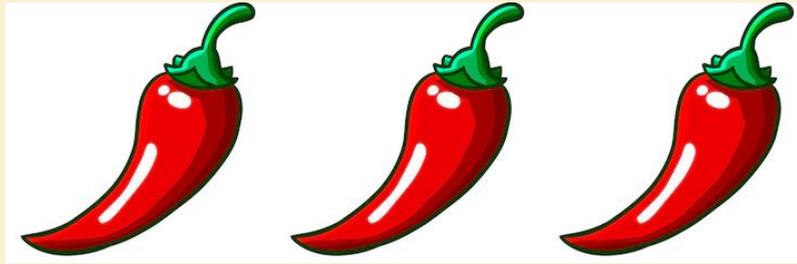8a. One bottle has a capacity of 50ml. How many bottles equal the capacity of the jug?

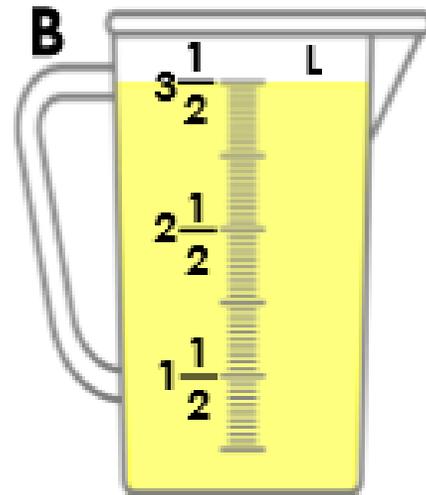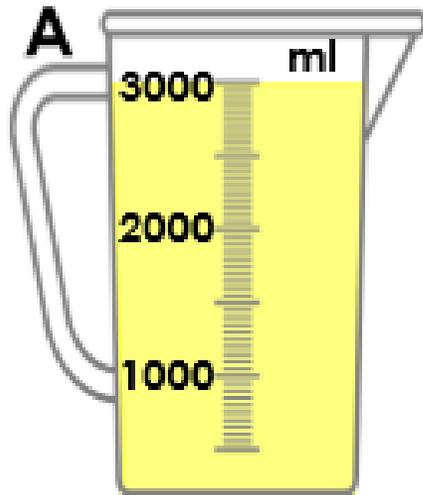8b. One glass has a capacity of 300ml. How many glasses equal the capacity of the jug?

Independent work

9a. Which jug holds the most amount of liquid?
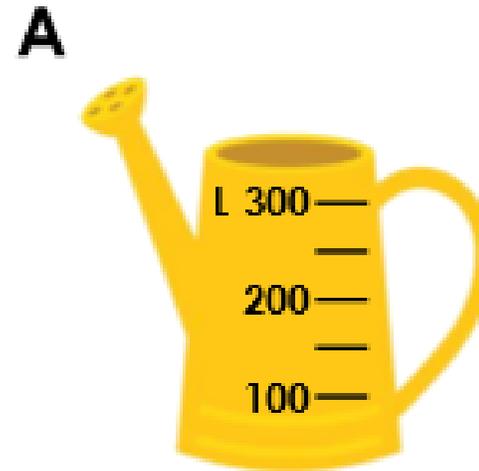
A
ml
3000
2000
1000

B
L
$3\frac{1}{2}$
$2\frac{1}{2}$
$1\frac{1}{2}$

9b. Which watering can holds the least amount of liquid?

A
L 300
200
100

B
L 60
40
20
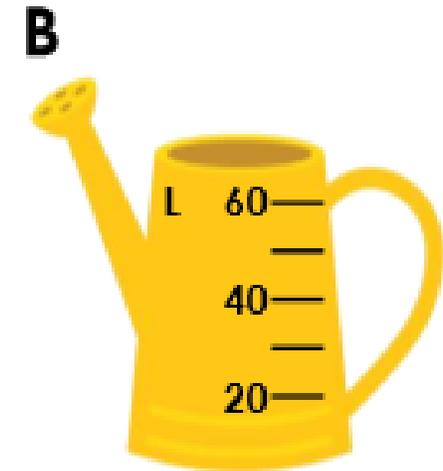
Independent work

10a. Use <, > or = to complete the following:

1,000ml ◯ 1L

200ml ◯ 2L

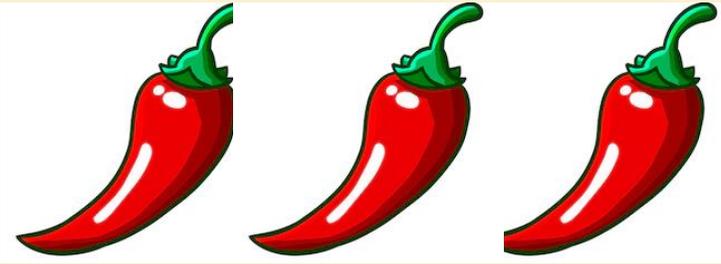**10b.** Use <, > or = to complete the following:
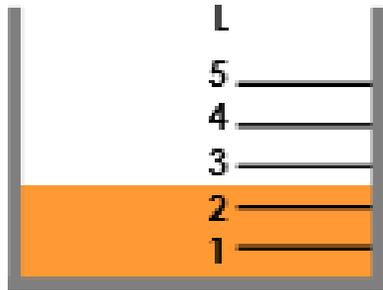
$2\frac{1}{2}$L ◯ 2L
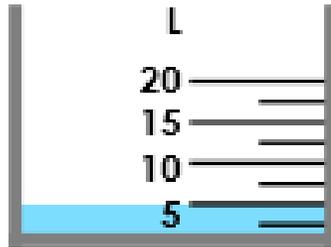
1,500ml ◯ 3L

Independent work

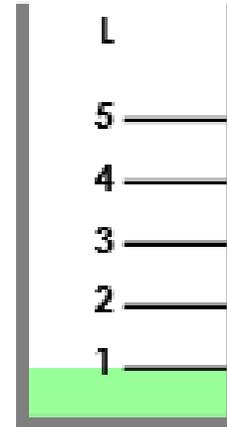## 11a. Is the statement below true or false?

A   B

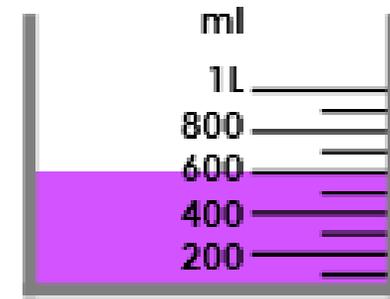Beaker A has double the amount of liquid of beaker B, so it contains the most.

11b. Is the statement below true or false?

A   B

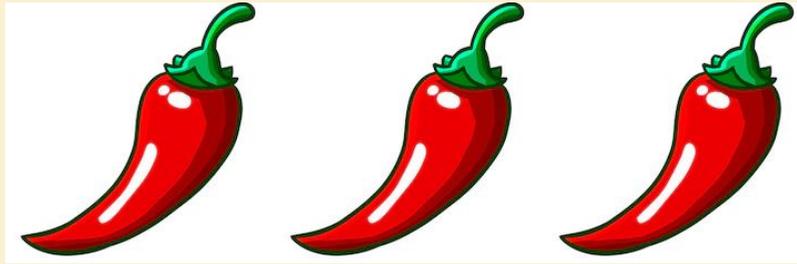Beaker B has 400ml less than beaker A, so it contains the least.

Independent work

12a. One bottle has a capacity of 1L. How many bottles equal the capacity of the jug?

1L

Milk
ultrapasterised

ml
3,000
2,500
2,000
1,500
1,000
500

GD

3   VF

12b. One glass has a capacity of 500ml. How many glasses equal the capacity of the jug?

500 ml

L
5
3
1

GD

3   VF

Answers

<u>Developing</u>
1a. B
2a. B
3a. True
4a. 3 bottles

<u>Expected</u>
5a. A
6a. <; <
7a. True
8a. 12 bottles

<u>Greater Depth</u>
9a. B
10a. =; <
11a. False. Beaker B contains double the amount of beaker A, it contains the most.
12a. 3 bottles

<u>Developing</u>
1b. B
2b. A
3b. False. Beaker B contains the most liquid.
4b. 3 glasses

<u>Expected</u>
5b. A
6b. <; >
7b. False. Beaker B contains the least liquid.
8b. 1 glass

<u>Greater Depth</u>
9b. B
10b. >; <
11b. True
12b. 12 glasses
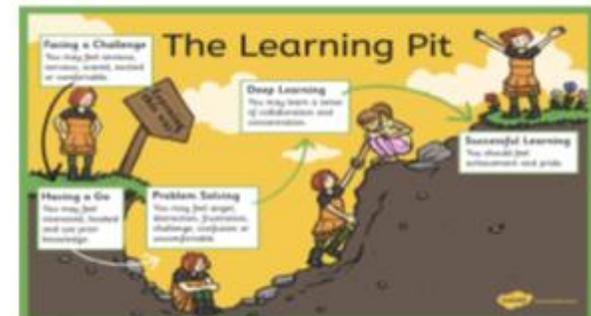
Reflection Time

A 1L bucket holds ten times the amount of water held by a jar.
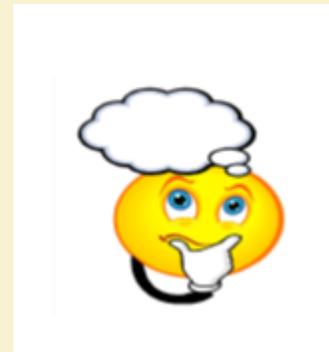Emma says:

A jar holds 200ml of water.

Is Emma correct? Explain your answer.

Take time to reflect

The Learning Pit

Reflection Time - Answers

A 1L bucket holds ten times the amount of water held by a jar.
Emma says:

A jar holds 200ml of water.

Is Emma correct? Explain your answer.
Emma is incorrect because 10 times less than 1L is 100ml.