Arithmetic

1. 3 x 4

2. 504 – 100

3. 242 – 108

4. $\frac{3}{5} - \frac{2}{5}$

Practice: Measure Capacity

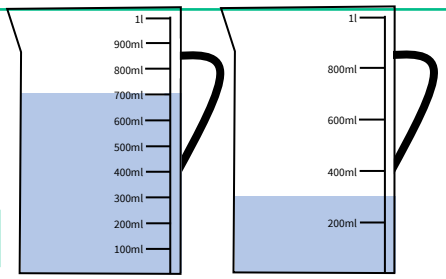
5. Recap: Explain the difference between capacity and volume.

6. Complete these sentences

The capacity of these containers is ____

The volume of the liquid in the first container is ____

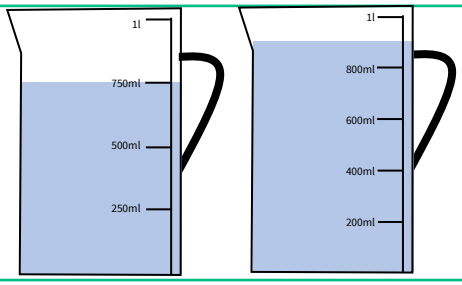
The volume of the liquid in the second container is ____



7. Complete these sentences.

The increments of the first container are in ____ and the volume of liquid is ____.

The increments of the second container are in ____ and the volume of liquid is ____.

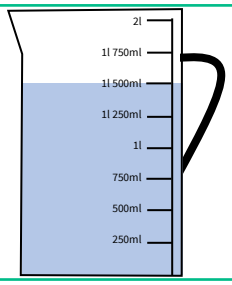


8. What is the volume of liquid in these containers?

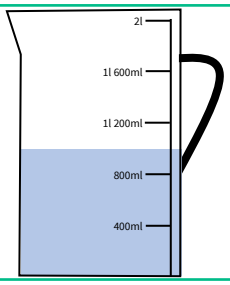
a.

b.

a.



b.

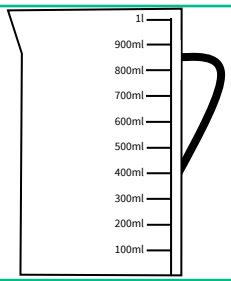


9. Draw a line on these containers to show the volumes of liquid.

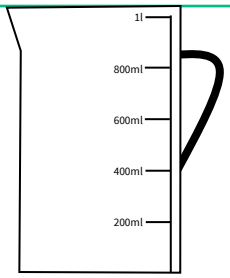
a. 600ml

b. 700ml

a.



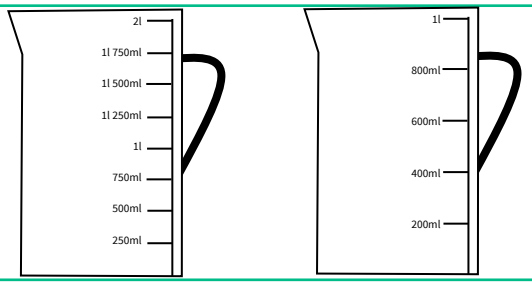
b.



You might want to talk to an adult

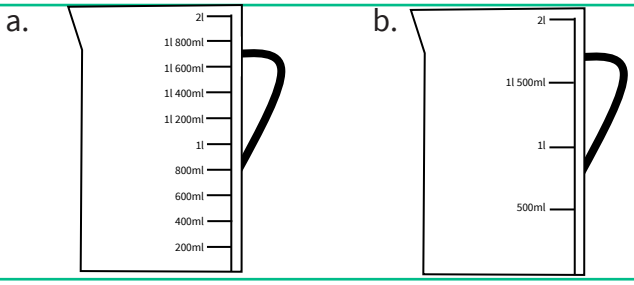
Spot the mistake

10. Why is it important to read scales carefully?



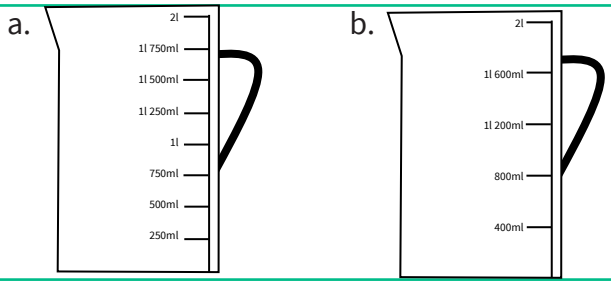
11. Draw a line on these containers to show the volumes of liquid.

a. 900ml
b. 1,500ml



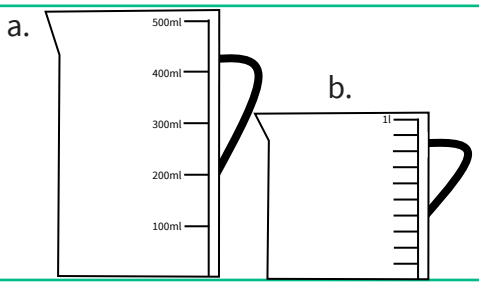
12. Draw a line on these containers to show the volumes of liquid.

a. 700ml
b. 1l 300ml



13. Zayn says that container a has a larger capacity as it is taller.

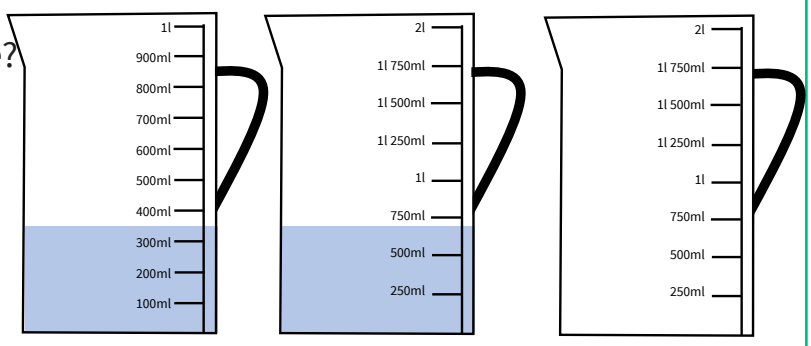
Is he correct? Explain.



Challenge

14. How much more would I need to add to each container to make 1 litre? Explain how you know.

Draw a line on container c. What is the volume of the container? How much more would you need to add to make 1 litre?



You might want to talk to an adult

Spot the mistake

Answers

Q no.	Question	Answer
1	3 x 4	12
2	504 – 100	404
3	242 – 108	134
4	$\frac{3}{5} - \frac{2}{5}$	$\frac{1}{5}$
5	Explain the difference between capacity and volume.	The capacity is the amount of liquid that a container can hold. Volume is the amount of space taken up by an object (in this topic, volume refers to the amount of liquid a container currently contains).
6	Complete these sentences.	1 litre, 700ml, 300ml
7	Complete these sentences.	250ml, 750ml, 200ml, 900ml
8	What is the volume of liquid in these containers?	1 litre 500ml, 1 litre
9	Draw a line on these containers to show the volumes of liquid.	Lines correctly drawn.
10	Why is it important to read scales carefully?	Two containers could have different incremental increases. In the containers shown in the question, one container increases in 250ml increments with a capacity of 2l, the other increases in 200ml increments with a capacity of 1l.
11	Draw a line on these containers to show the volumes of liquid.	Lines correctly drawn.
12	Draw a line on these containers to show the volumes of liquid.	Lines correctly drawn.
13	Zayn says that container a has a larger capacity as it is taller. Is he correct? Explain.	Zayn is incorrect. The container looks taller, however, the top of the scale shows 500ml. Container b has 1l marked at the top of the scale. Despite container b looking smaller, it has a larger capacity.
14	Look at the containers. How much more would I need to add to each to make 1 litre? Explain how you know. Draw a line on container c. What is the volume of the container? How much more would you need to add to make 1 litre?	a - 350ml marked, 650ml would need to be added to make 1 l. b - 700ml marked, 300ml would need to be added to make 1 l. Explanations will vary depending on the method the pupil has used. Some will have explored this using concrete resources while others will have calculated the difference. Answers for the final question will vary depending on the ml the pupil has drawn. Accept answers that are accurately drawn and make 1 litre.