

Homework/Extension

Step 6: Measure Capacity 2

Please note, written references to volume and capacity are written as “3L and 200ml” while the measurements on the measuring cylinders are written as “3L 200ml”. This has been done to make the measuring cylinders easier to read. This may be something you wish to discuss with your class prior to using this resource.

National Curriculum Objectives:

Mathematics Year 3: (3M1c) [Compare volume/capacity \(l/ml\)](#)

Mathematics Year 3: (3M2c) [Measure volume/capacity \(l/ml\)](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Match the capacity to the container. Using mixed measurements of L and ml in multiples of 100. All increments labelled, no measurements between increments.

Expected Match the capacity to the container. Using mixed measurements of L and ml in multiples of 100 and 200. Some scales with every other increment labelled.

Greater Depth Match the capacity to the container. Using mixed measurements of L and ml in multiples of 100, 200, 125 and 250. Using mixed scales with some increments labelled.

Questions 2, 5 and 8 (Varied Fluency)

Developing Draw remaining volume using mixed measurements of L and ml. Using measurements in multiples of 100. All increments labelled, no measurements between increments.

Expected Draw remaining volume using mixed measurements of L and ml. Using measurements in multiples of 100 and 200. Some with every other increment labelled.

Greater Depth Draw remaining volume using mixed measurements of L and ml. Using measurements in multiples of 100 and 200. Containers half the scale of the other.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Find possibilities for different combinations of measures using mixed measurements of L and ml. Using measurements in multiples of 100. All increments labelled, no measurements between increments.

Expected Find possibilities for different combinations of measures using mixed measurements of L and ml. Using measurements in multiples of 100 and 200. Some with every other increment labelled.

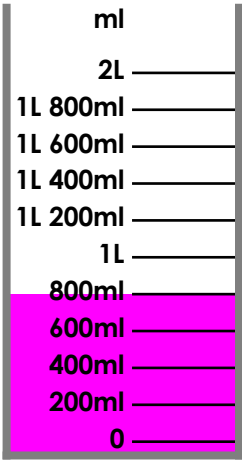
Greater Depth Find possibilities for different combinations of measures using mixed measurements of L and ml. Using measurements in multiples of 125 and 250. Only L and 500ml increments labelled on scales, all other ml increments blank.

More Year 3 [Mass and Capacity](#) resources.

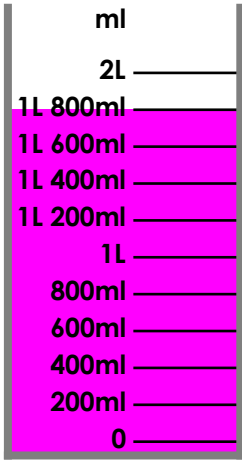
Did you like this resource? Don't forget to [review](#) it on our website.

Measure Capacity 2

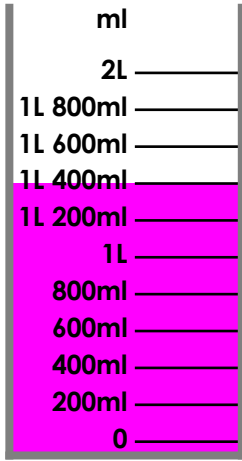
1. Match the capacity to the container.



A.



B.



C.



1L and 800ml
E.



1L and 400ml
F.

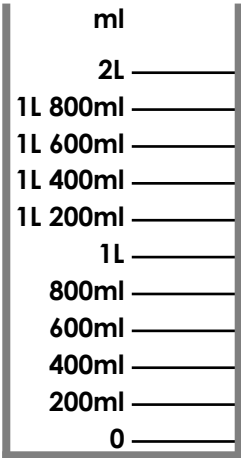
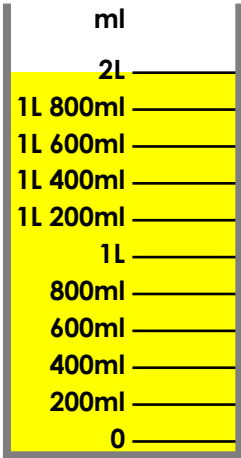


800ml
G.



VF
HW/Ext

2. Each friend gets a drink and they use 600ml of juice in total. Use the empty container to show how much juice would be left after everyone has had a drink.



Juice left

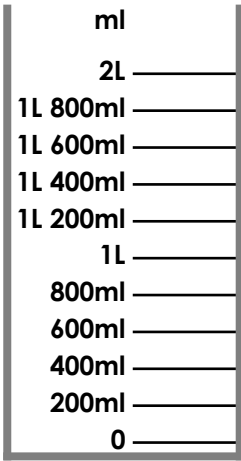


VF
HW/Ext

3. Dr Smith is using ingredients from the list below to make a potion. Her potion includes 3 ingredients and is not more than 2L when it's made. What could the ingredients for her potion be? Write down 3 possibilities.



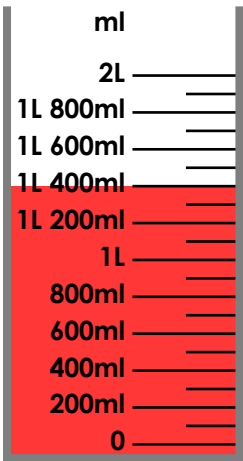
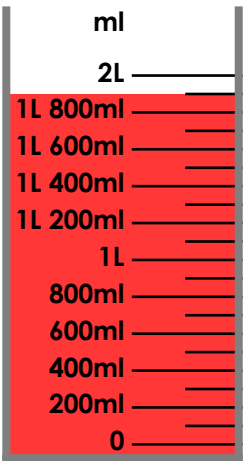
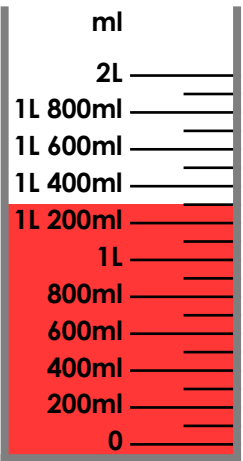
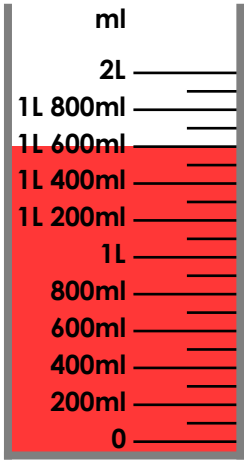
Ingredient	Volume
Iodine	400ml
Ascorbic Acid	200ml
Glycerine	1L and 400ml
Sulphate	600ml
Nitrate	800ml
Sugar Solution	1L and 200ml
Fructose Syrup	600ml



RPS
HW/Ext

Measure Capacity 2

4. Match the capacity to the container.



A.

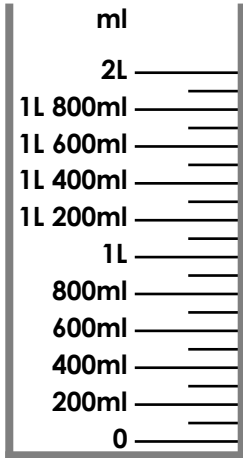
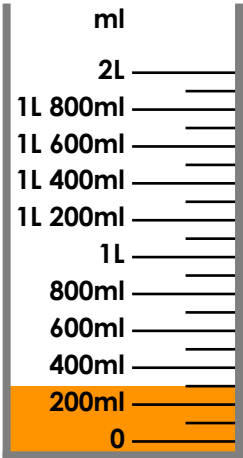
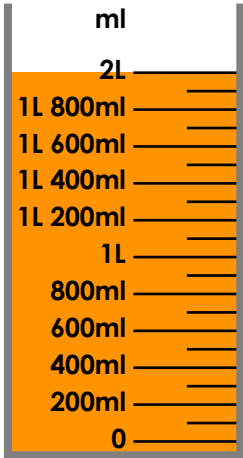
B.

C.

D.

VF
HW/Ext

5. Each friend gets 250ml of juice. Use the empty container to show how much juice would be left after everyone has had a drink.



Juice left

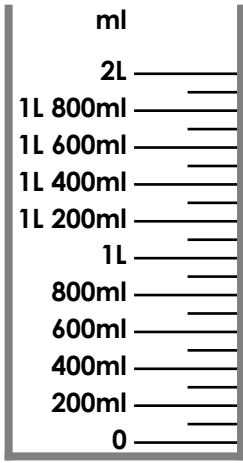
VF
HW/Ext



6. Dr Stien is using ingredients from the list below to make a potion. His potion includes 4 ingredients and is not more than 2L when it's made. What could the ingredients for his potion be? Write down 3 possibilities.



Ingredient	Volume
Iodine	100ml
Ascorbic Acid	200ml
Glycerine	1L and 0ml
Sulphate	0L and 600ml
Nitrate	500ml
Sugar Solution	1L and 200ml
Fructose Syrup	300ml

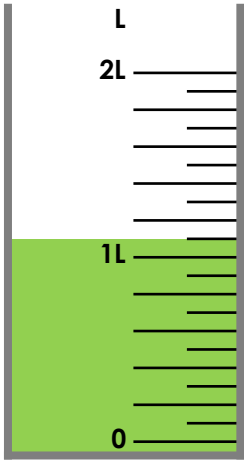


RPS
HW/Ext

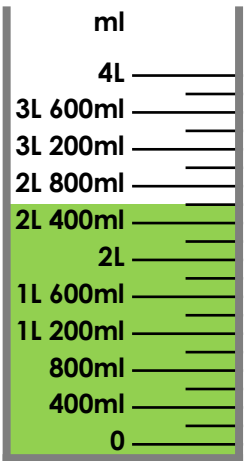


Measure Capacity 2

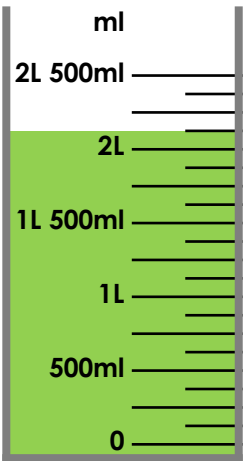
7. Match the capacity to the container.



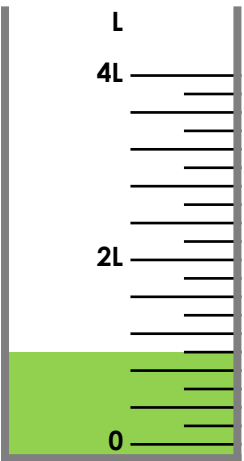
A.



B.



C.



D.



G.

I.

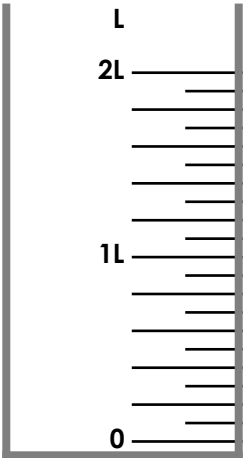
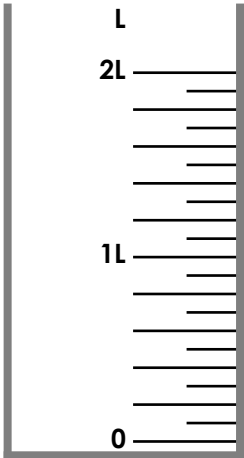
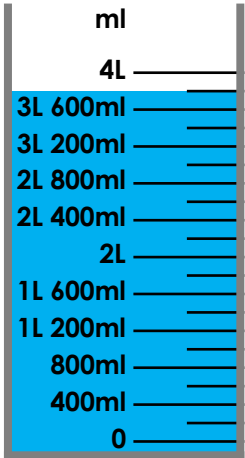
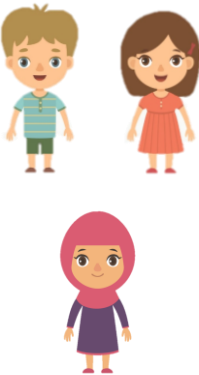


H.

VF

HW/Ext

8. Each friend gets 400ml of water. Use the empty container to show how much water would be left after everyone has had a drink.



Water left



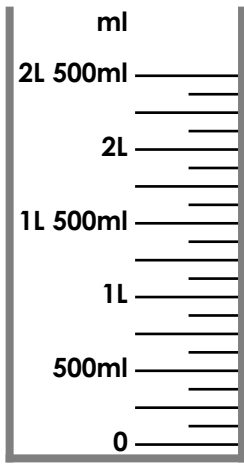
VF

HW/Ext

9. Dr Cohen is using ingredients from the list below to make a potion. His potion includes 4 ingredients and is not more than 2L 500ml when it's made. What could the ingredients for his potion be? Write down 4 possibilities.



Ingredient	Volume
Iodine	125ml
Ascorbic Acid	1L and 0ml
Glycerine	250ml
Sulphate	0L and 625ml
Nitrate	1L and 250ml
Sugar Solution	500ml
Fructose Syrup	375ml



RPS

HW/Ext

Homework/Extension

Measure Capacity 2

Developing

1. **A = G, B = E, C = F**
2. **Line should be drawn at 1L and 400ml.**
3. **Various answers, for example: Iodine, Ascorbic Acid and Glycerine; Fructose Syrup, Nitrate and Sulphate; Sugar Solution, Iodine and Ascorbic Acid**

Expected

4. **A = F, B = H, C = G, D = E**
5. **Line should be drawn at 1L and 300ml.**
6. **Various answers, for example: Iodine, Ascorbic Acid, Sulphate and Nitrate; Fructose Syrup, Nitrate, Glycerine and Ascorbic Acid; Sugar Solution, Nitrate, Iodine and Ascorbic Acid**

Greater Depth

7. **A = G, B = E, C = F, D = H**
8. **Line should be drawn at 2L and 600ml by using one whole container and 600ml in the other.**
9. **Various answers, for example: Iodine, Fructose Syrup, Nitrate and Glycerine Ascorbic Acid, Sulphate, Sugar Solution and Iodine Iodine, Glycerine, Sulphate and Sugar Solution Sulphate, Fructose Syrup, Sugar solution and Ascorbic Acid**