Canonbury Home Learning
Year 2/3 Maths
Steppingstone activity

Lesson 2 – 23.06.2020

LO: To compare capacity

CANONBURY PRIMARY SCHOOL

Success Criteria:

- 1. Watch the short video showing the two glasses of water. https://nrich.maths.org/13664
- 2. Tell someone at home what you predict (think) will happen next.
- 3. Watch the second video to find out what happens. Is it what you predicted? Or were you surprised?
- 4. Use the words from the word bank to try and explain why you think this happened.

Model:

1. Maya has two glasses of water.

Watch this short clip to see what she starts to do:



https://nrich.maths.org/13664

2. What do you think will happen next?

Make a prediction and tell someone at home what you think will happen.



3. Watch the second video (click 'Show' underneath the first clip)



Is it what you predicted? Or were you surprised?

4. Use the words from the word bank to try and explain why you think this happened:

tall/taller short/shorter wide/wider narrow/narrower volume capacity

Canonbury Home Learning Year 2/3 Maths



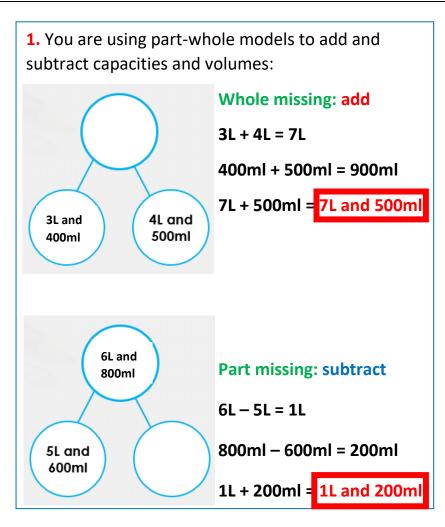
Lesson 2 – 23.06.2020

LO: To add and subtract volumes and capacities

Success Criteria:

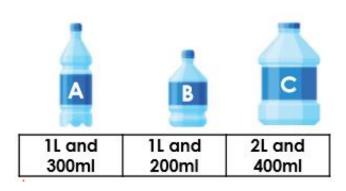
- 1. Task 1: Find the missing part from the part-whole model. If the whole is missing: add the parts. If a part is missing: subtract the other part from the whole.
- 2. Task 2: Choose the correct containers to find the total volume of liquid.
- 3. You can use any working out you have practiced in school e.g. drawing base ten jottings, partitioning, number line, column addition/subtraction

Model:



2. You are finding the total of volumes of liquid:

Which two of these containers would you need to have a total of 3L and 700ml?



3L = 1L + 2L (so C plus A or B)

700ml = 400ml + 300ml (so C plus A)

The containers you need are C and A.

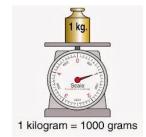
3. Remember to show your workings out!

This helps to spot mistakes and check answers. You might use base 10 jottings (lines and dots), addition/subtraction on a number line, partitioning, and if you are Y3, column addition and subtraction.

Year 2/3 Maths

Main activity

Complete at least 2 columns, more if you can!

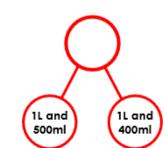




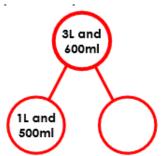
Task 1 Practice

Complete the part whole models:

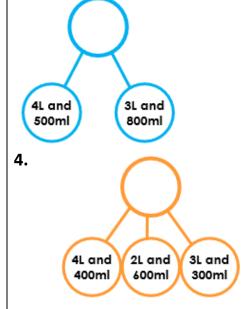
1.



2.



3.



5. Draw lines between these boxes to make the calculations correct:

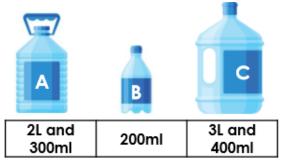
| Start | + or – |
|--------------|----------------|
| 1L and 300ml | + 400ml |
| 2L and 800ml | + 2L and 300ml |
| 500ml | – 1L and 600ml |

| Equals | |
|--------------|--|
| 1L and 200ml | |
| 2L and 800ml | |
| 1L and 700ml | |

Practice

1. Which <u>two</u> of these containers would you need to have a total of 3L and 600ml?

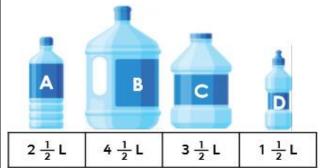
Task 2



2. Which <u>three</u> of these containers would you need to have a total of 9 ½ L?



3. Which <u>three</u> of these containers would you need to have a total of 8 ½ L?



4. Which <u>three</u> of these containers would you need to have a total of 6 ½ L?



Task 3 Task 4 Reasoning **Problem solving Explain your answers.** 2a. Find a way through the maze. 3a. Jon says, 'The jug has a capacity large enough to make 1 serving of milkshake.' 1L and 1L and 300ml 200ml 200ml Milkshake Recipe 1L and 1L and 500ml milk 200ml 200ml 100ml 400ml strawberry juice 800ml 1L and Is he correct? Prove it. 500ml 1L 300ml What is the difference between the capacity of the jug and the volume of liquid? She drinks 2L and 500ml ᠊ᢙ in total. 3b. Millie says, 'The jug has a capacity 2b. Find a way through the maze. large enough to make 1 serving of juice." 2L and 1L and 300ml 200ml 100ml Juice Recipe 400ml water 1L and 2L and 300ml fresh orange

900ml Is she correct? Prove it. What is the difference between the capacity of the jug and the volume of

liquid? جيہ

6a. Lu says, 'The jug has a capacity large enough to make 2 lots of slime."

Slime Recipe

1L and 100ml glue 1L and 600ml washing liquid



4L and 900ml

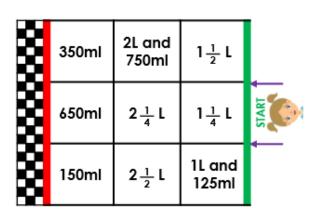
Is he correct? Prove it. What is the difference between the capacity of the jug and the volume of liquid?

100ml 200ml 2L and 400ml 1L 500ml

He drinks 2L and 900ml 硷 in total.

500ml

5a. Find a way through the maze.



She drinks 4L and 600ml in total.

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Challenge

1. You have been given a mission to remove sugary drinks from the supermarket. How many ways can you find to collect the bottles so your checkout total is 4L and 400ml?



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