

Year 3 Maths Capacity Toolkit Activities - Capacity

Activity 1 – How many?

Activity Approach

- Groupwork

Resources

- Activity Sheet 3.1a
- Activity Sheet 3.1b
- Different containers full of water
- Cup
- Calibrated measures

Vocabulary

- measure
- cups

Instructions

1. Take turns to measure the capacity, in cupsful, of different containers using a calibrated measure.
2. Draw each container and write down its measurement in cups on Activity Sheet 3.1a
3. Look at Activity Sheet 3.2b.
4. Each full container has been emptied into the measure.
5. Write how many cupsful of water each holds.
6. Draw the level of water in the last two.

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Activity 2 – Litres and Millilitres

Activity Approach

- Groupwork

Resources

- Activity Sheet 3.2
- Whiteboard marker

Vocabulary

- measure
- estimate
- capacity
- Litres (L)
- Millilitres (ml)

Instructions

1. Look at Activity Sheet 3.2.
2. Read the first investigation. Decide whether the amount of liquid required should be measured in litres or millilitres.
3. Repeat this for all of the investigations on Activity Sheet 3.2

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Activity 3 – Adding Capacity

Activity Approach

- Groupwork

Resources

- Activity Sheet 3.3
- Whiteboard marker

Instructions

7. Look at Activity Sheet 3.3a and compare the capacity of each item shown.
8. Look at example A on the second sheet and add up the total capacity of the containers shown.
9. Colour the empty jug in order to show the total capacity of the containers.
10. Take turns to complete the other examples shown on the Activity Sheet.
11. As an extension to the activity pupils can choose different containers and find their total capacity.

Vocabulary

- add
- capacity
- sort
- litre (l)

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Activity 4 – More or less than 1 litre

Activity Approach

- Groupwork

Resources

- Activity Sheet 3.4a
- Activity Sheet 3.4b
- Various containers / real objects
- Measuring jug
- Whiteboard marker

Instructions

4. Take turns to estimate the capacity of each container.
5. On Activity Sheet 3.4a draw or list the name of each container under the appropriate heading; i.e. less than 1 litre, 1 litre or more than 1 litre.
6. Take turns to empty the contents of each container into the measuring jug to find the capacity.
7. Sort the containers and draw or list the names again under the correct heading.
8. Look at Activity Sheet 3.4b and take turns to decide whether each container holds less or more than 1 litre.

Vocabulary

- capacity
- add
- total
- measuring jug
- litre (l)