Homework
Measure Capacity

National Curriculum Objectives:

Mathematics Year 1: (1M1) Compare, describe and solve practical problems for: capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]
Mathematics Year 1: (1M2) Measure and begin to record: capacity and volume

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)
Developing State whether two different containers will be full if the other containers are emptied into them. One type of non-standard unit is used throughout the resource.
Expected State whether two different containers will be full if the other containers are emptied into them. A variety of non-standard units are used throughout the resource.
Greater Depth State whether two different containers will be full if the other containers are emptied into them. A variety of non-standard units are used and the question involves calculating the capacity or volume.

Questions 2, 5 and 8 (Varied Fluency)
Developing Match 2 statements to the correct capacity images. One type of non-standard unit is used throughout the resource.
Expected Match 3 statements to the correct capacity images. A variety of non-standard units are used throughout the resource.
Greater Depth Match 3 statements to the correct capacity images. A variety of non-standard units are used and the question involves calculating the capacity or volume.

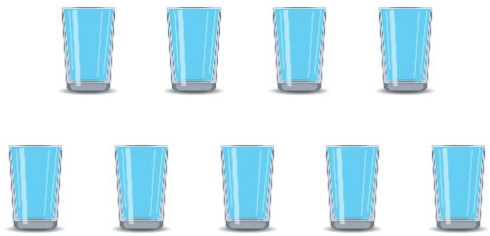
Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Use the images to explain whether the capacity statement is correct. One type of non-standard unit is used throughout the resource.
Expected Use the images to explain whether the capacity statement is correct. A variety of non-standard units are used throughout the resource.
Greater Depth Use the images to explain whether the capacity statement is correct. A variety of non-standard units are used and the question involves calculating the capacity or volume.

Measure Capacity

1. Are there enough glasses to fill both tubs?

3 glasses

6 glasses



D

VF
HW/Ext

2. Two children have each poured a bottle of water into glasses. Match each child to the correct set of glasses.

Ken

The capacity of my bottle is 2 glasses.

A.

Eva

The capacity of my bottle is 3 glasses.

B.

D

VF
HW/Ext

3. Zac has 4 glasses of water. He pours the glasses of water into a jug until it is full.

He says,

The jug has a capacity of 4 glasses.

Is Zac correct? Explain how you know.

D

RPS
HW/Ext

Measure Capacity

4. Are there enough glasses and jugs to fill both bottles?

8 glasses

6 jugs

E

VF
HW/Ext

5. Three children have each poured a pan of soup into jars. Match each child to the correct set of jars.

Rada

The capacity of my pan is 4 jars.

Kofi

The capacity of my pan is 5 jars.

Jed

The capacity of my pan is 3 jars.

A.

B.

C.

E

VF
HW/Ext

6. Lin has 8 cups of water. She pours cups of water into a teapot until it is full.

She says,

The teapot has a capacity of 2 cups.

Is Lin correct? Explain how you know.

E

RPS
HW/Ext

Measure Capacity

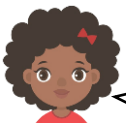
7. Are there enough bowls to fill both jars? Use the information in the box to help you.

10 small bowls

8 small bowls

VF
HW/Ext

8. Three children have each poured a bottle of water into cups and glasses. One large glass has the same capacity as two small cups. Match each child to the correct set of containers.

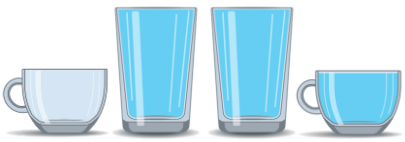


Joy: The capacity of my bottle is 2 large glasses.

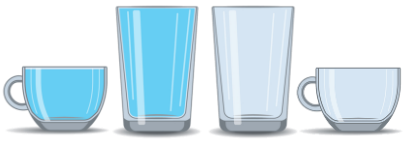
Nas: The capacity of my bottle is 5 small cups.

Eli: The capacity of my bottle is 3 small cups.

A.



B.



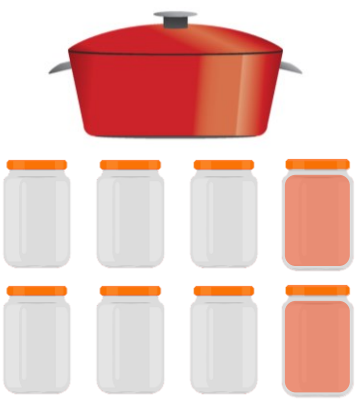
C.

VF
HW/Ext

9. Una has 8 jars of soup. She pours the jars of soup into a pan until it is full.

She says.

Two pans would have a capacity of 12 jars.



Is Una correct? Explain how you know.

RPS
HW/Ext

Homework
Measure Capacity

Developing

1. Yes
2. Ken – B; Eva – A
3. Zac is correct. 4 glasses are empty, so the jug must have a capacity of 4 glasses.

Expected

4. No, one more glass is needed to fill both bottles.
5. Rada – A; Kofi – C; Jed – B
6. Lin is incorrect. She has counted the full cups rather than the empty ones. 6 cups are empty, so the teapot must have a capacity of 6 cups.

Greater Depth

7. No, one more small bowl is needed to fill both jars.
8. Joy – C; Nas – A; Eli – B
9. Una is correct. 6 jars are empty, so the container must have a capacity of 6 jars. 2 containers would have twice the capacity, which would be 12 jars.