

# 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

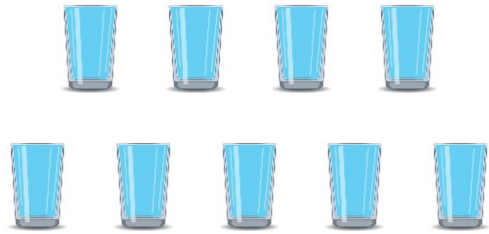
1. Are there enough glasses to fill both tubs?



3 glasses



6 glasses



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.



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.



RPS  
HW/Ext

# Measure Capacity

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



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.



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.



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.



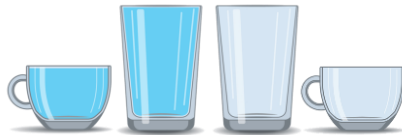
Eli

The capacity of my bottle is 3 small cups.

A.



B.



C.



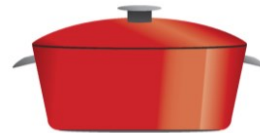
VF  
HW/Ext

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.