

Homework/Extension

Step 4: Compare Capacity

National Curriculum Objectives:

Mathematics Year 2: (2M1) [Compare and order lengths, mass, volume/capacity and record the results using >, < and =](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Complete an inequality statement that compares two volumes by drawing the correct inequality symbol.

Expected Complete an inequality statement that compares two volumes by drawing a line to show the volume of a container.

Greater Depth Complete an inequality statement that compares three volumes by drawing a line to show the volume of two containers.

Questions 2, 5 and 8 (Varied Fluency)

Developing Order three different containers from smallest to greatest capacity (where the containers have the same volumes illustrated).

Expected Order four different containers according to their volume and capacity (where the containers have different volumes illustrated).

Greater Depth Order groups of the same sized containers according to their volume and capacity (where the containers have different volumes illustrated).

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

Developing Determine which of two statements comparing the capacity of two containers is correct and why. Pictorial representation provided.

Expected Determine which of two statements comparing volume and capacity is correct and why. Pictorial representation provided.

Greater Depth Determine which of two statements comparing the total capacity of up to four containers is correct and why. No pictorial representation.

More [Year 2 Mass, Capacity and Temperature](#) resources.

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

Compare Capacity

1. Fill in the missing $<$, $>$ or $=$ to make the statements correct.

A.



B.



VF
HW/Ext

2. Order the containers from smallest to greatest capacity.



A



B



C



VF
HW/Ext

3. Alfie and Lucy are comparing the total capacities of their bottles.



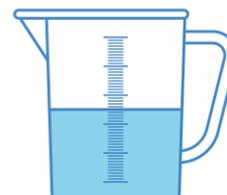
Alfie

My container has a greater capacity.



Lucy

My container has a greater capacity.



Who is correct? Explain your answer.

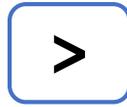
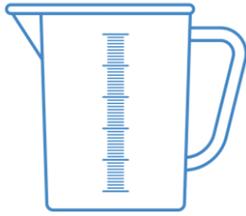


RPS
HW/Ext

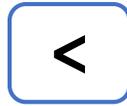
Compare Capacity

4. Draw lines to show the volume in each empty container to make the statements correct.

A.



B.



VF
HW/Ext

5. Order the containers from smallest to greatest capacity.
Now order the containers from greatest to smallest volume.



A



B



C



D



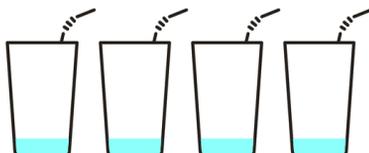
VF
HW/Ext

6. Sam and Aisha are comparing the total capacity and volume of their bottles.



Sam

I have more volume because I have four glasses and Aisha has three.



Aisha

I have more capacity because all of my glasses are full.



Who is correct? Explain your answer.



RPS
HW/Ext

Compare Capacity

7. Draw lines to show the volume in each empty container to make the statements correct.

A.

B.



VF
HW/Ext

8. Order the containers from smallest to greatest capacity.
Now order the containers from greatest to smallest volume.

A

B

C



VF
HW/Ext

9. Amy and Lucas are comparing the capacity of their identical glasses.



Amy

I have four glasses that are all half full. I have the greatest total capacity.



Lucas

I have three glasses that are all three quarters full. I have the greatest total capacity.

Who is correct? Explain your answer.



RPS
HW/Ext

Homework/Extension

Compare Capacity

Developing

1. A. >; B. <
2. A, C, B
3. Neither are correct. Both containers have the same capacity.

Expected

4. Various possible answers, for example: A. 3 quarters full; B. 1 quarter full
5. Smallest to greatest capacity: C, B, A, D
Greatest to smallest volume: D, A, C, B
6. Neither are correct. Sam has greater capacity but Aisha has greater volume.

Greater Depth

7. Various possible answers, for example: A. Full and 1 quarter full; B. 1 quarter full and full
8. Smallest to greatest capacity: B, A/C (A and C are equal)
Greatest to smallest volume: B, C, A
9. Amy has the greatest total capacity because she has identical four containers rather than three.