<u>Reasoning and Problem Solving</u> <u>Step 5: Measure Capacity 1</u>

National Curriculum Objectives:

Mathematics Year 3: (3M1c) <u>Compare volume/capacity (l/ml)</u> Mathematics Year 3: (3M2c) <u>Measure volume/capacity (l/ml)</u>

Differentiation:

Questions 1, 4 and 7 (Problem Solving)

Developing Matching two containers and their capacity using the same units of measure (ml, l).

Expected Matching three containers and their capacity using the same units of measure (ml, l).

Greater Depth Matching four containers and their capacity using the same units of measure (ml, l).

Questions 2, 5 and 8 (Problem Solving)

Developing Reading the measurement on containers and identifying the capacity, using increments of 1, 2, 5 and 10.

Expected Reading the measurement on containers and identifying the capacity, using increments of 4, 8, 50, and 100.

Greater Depth Reading the measurement on containers and identifying the capacity, using increments of 4, 8, 50 and 100 and identifying how much the increments are increasing by each time.

Questions 3, 6 and 9 (Reasoning)

Developing Given a statement about capacity, determine whether the statement is correct.

Expected Given a statement about capacity, determine whether the statement is correct.

Greater Depth Given a statement about capacity, determine whether the statement is correct.

More resources which follow the same small steps as White Rose.

Did you like this resource? Don't forget to <u>review</u> it on our website.

classroomsecrets.com

© Classroom Secrets Limited 2018

Reasoning and Problem Solving – Measure Capacity 1 – Teaching Information

Reasoning and Problem Solving – Measure Capacity 1



classroomsecrets.com

CLASSROOM Secrets Secrets Limited 2018 Reasoning and Problem Solving – Measure Capacity 1 – Year 3 Developing

Reasoning and Problem Solving – Measuring Capacity 1



classroomsecrets.com



Reasoning and Problem Solving – Measure Capacity 1 – Year 3 Expected

Reasoning and Problem Solving – Measure Capacity 1



classroomsecrets.com

© Classroom Secrets Limited 2018

Reasoning and Problem Solving – Measure Capacity 1 – Year 3 Greater Depth

Developing 1a. A – 60ml; B – 6ml 1b. A – 70ml; B – 6ml 2a. A 2b. B 3a. Yes. The liquid reaches the 27ml line. 3b. Yes. The liquid reaches the 35ml line. <u>Expected</u> 4a. A – 24ml; B – 600ml; C – 300ml 4b. A – 50ml; B – 700ml; C – 300ml

5a. A

5b. <mark>A</mark>

6a. Yes. The liquid is between 150ml and 200ml.

6b. No. The liquid does not reach 500ml.

<u>Greater Depth</u>

7a. A = 350ml; B = 24l; C = 48ml; D = 700ml

7b. A – 600ml; B – 48ml; C – 30l; D – 300ml

8a. <mark>B</mark>

8b. <mark>B</mark>

9a. Yes. The liquid is between 150ml and 200ml.

9b. No. The scale is measured in l not ml.



© Classroom Secrets Limited 2018

Reasoning and Problem Solving – Measure Capacity 1 ANSWERS