



DEEPENING UNDERSTANDING ANSWER SHEET

YEAR 3 PIM – MEASURE CAPACITY (1)

Fluency 1

50ml

90ml

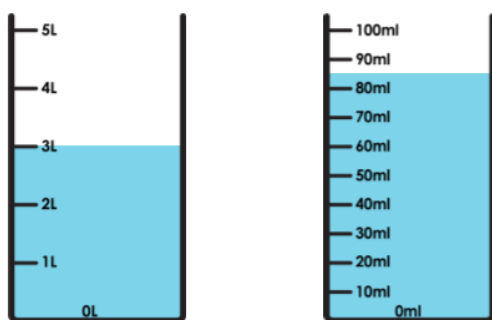
The container's capacity is 50ml.

The water volume is 50ml.

The container's capacity is 100ml.

The water volume is 90ml.

Fluency 2



The container's capacity is 5l. The water volume is 3l.

The container's capacity is 100ml. The water volume is 85ml.

Reasoning 1

Modelled DAB Reasoning Responses

D – Alfie is wrong

A – The container's capacity is not one litre.

B – One litre is equal to 1,000ml not 100ml. The container's capacity is 100ml.



Reasoning 2

Modelled DAB Reasoning Response

D – Millie is incorrect.

A – The containers do not have the same volume.

B – The scales on the containers are different. The container on the left has a capacity of 100ml and a volume of 90ml. The container on the right has a capacity of 50ml and a volume of 45ml.

Reasoning 3

Modelled DAB Reasoning Response

D – There are similarities and differences.

A – The containers are the same because they both have water to the level of a measurement of '5'.

B – They are different because the one on the left contains 5l and the one on the right contains 5ml. The volume matches the full capacity on the left but it does not on the right.

Reasoning 4

Modelled DAB Reasoning Response

D – Anita has made a mistake.

A – The volume is not 40ml.

B – The water is half way between 30 and 40ml so the volume is 35ml.

Download our 'DAB' posters to support reasoning in your classroom:

<https://www.deepeningunderstanding.co.uk/product/dab-reasoning-posters/>



Problem Solving 1

Answers could include:

Marlon: 70ml Asha: 20ml Caleb: 10ml

Marlon: 55ml Asha: 30ml Caleb: 15ml

