

# Metric Measures

1. 250 ml of water has been poured out of the container below. Estimate the capacity of the container.



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4. Mr Hall's office is leaking! He has found a bucket to collect the water in, but he doesn't know what its capacity is.



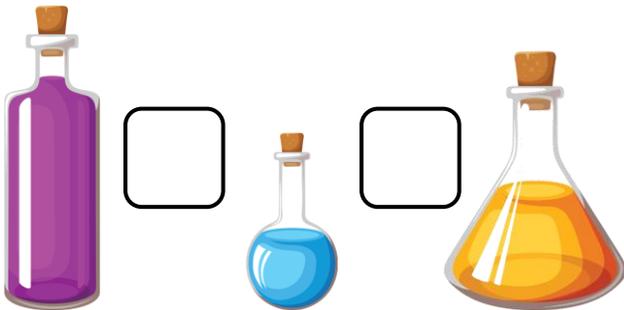
I have collected 200 ml of water in my bucket in one hour. I estimate that my bucket will be filled to capacity in seven hours.



Do you agree with Mr Hall? Convince me.

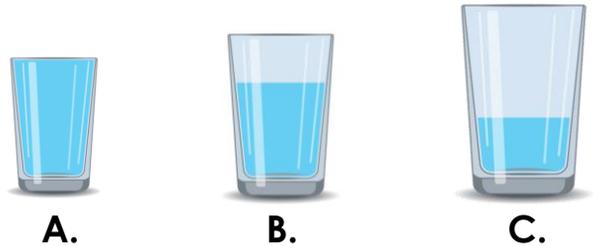
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2. Use the symbols  $<$ ,  $>$  or  $=$  to compare the capacity of the containers below.



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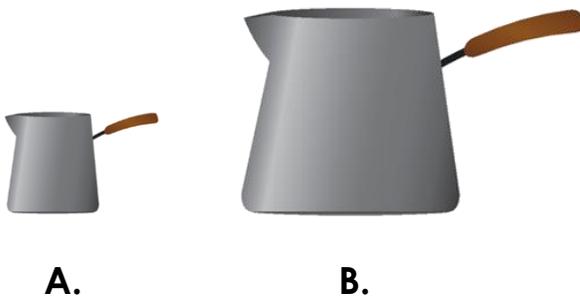
5. Jen has poured 600 ml into each of the containers. She says container A has the greatest capacity and container C has the smallest capacity.



What mistake has she made? Prove it.

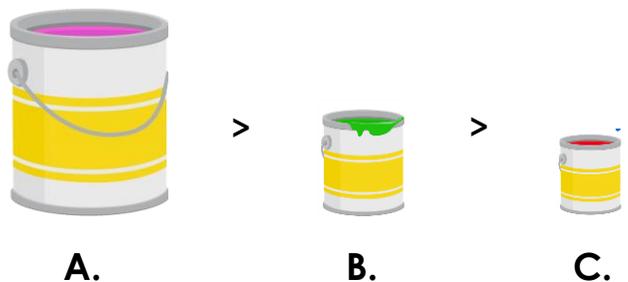
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3. Estimate the capacity of pan B if pan A has a capacity of 400 ml.



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6. Estimate the capacity of the containers to complete the statement. One of the containers has a capacity of 1 L.



PS

## Metric Measures

1. Accept answers of approximately 1,000 ml or 1 L.
2.  $>$ ,  $<$
3. Accept answers of approximately 1,600 ml.
4. Mr Hall is incorrect. The volume shown in Mr Hall's bucket is approximately one quarter of its total capacity. This means it will reach its capacity in the next four or five hours.
5. Jen has mixed up the largest capacity with the smallest. A is full to capacity with 600ml of water but C is almost empty with the same volume of water. This means container A has the smallest capacity and container C has the largest capacity.
6. Various answers, for example: A. 1 L; B. 250 ml; C. 125 ml or A. 4 L; B. 1 L; C. 500ml.