

LO: To estimate and find out how many potatoes fit in a pan without overflowing

Consider these points:

How many ml of water do you think you will need to fill the pan three quarters full? \_\_\_\_\_

How many potatoes do you think will fit in your chosen pan? \_\_\_\_\_

Do you think size of potato will make a difference to the overflow?  
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Write your equipment list here: -

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Method:

1. Fill a pan of water three quarters full.
2. Choose one potato to put in the pan so it **does not** overflow.
3. Now add a number of potatoes so that it **does** overflow.

What have you found out? (include photographs to support your reasoning -Use key vocabulary)  
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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_

How many potatoes did you have to put in the pan to make it overflow? \_\_\_\_\_

What if...

-you only put in big potatoes? \_\_\_\_\_

-you only put in small potatoes? \_\_\_\_\_

-chopped the potatoes first? \_\_\_\_\_

-you used either stones or apples instead of potatoes?  
\_\_\_\_\_

Key Vocabulary:

volume full empty more than less than  
litres half full contains millilitres