

'emulov As an example of how you might begin, take one litre as the

If the radius was I cm, 2 cm, 3 cm, etc. what would the height

How many cubic centimetres is that ?

Sases Ase in ed 'hter 'slope' length' be in each case?

How do you calculate the curved surface area using those

When was the curved surface area least? Sprint

Can you refine your answer with more precise values tried for

the radius length?

Sould a spreadsheet help with the repeated calculation?

Turn the sheet upside down to read the hints in this box

You don't need a specified volume, but it may help to ask what shape cone would hold a litre of liquid using the least amount of plastic.

Have you ever tried pouring a drink from a glass back into a bottle?

Imagine a funnel as a complete cone. What shape

cone would use the least amount of plastic to manufacture a funnel containing a set volume?

Turn the sheet upside down for more help.



narrow apertures.



be each time?

Funnel