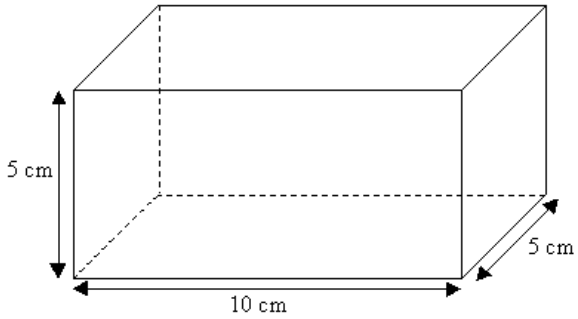
Volume and capacity

This task is about volume and capacity.

How to do this task

This is a diagram of a container that can hold exactly **250 ml** of water.



volume: $5 \times 10 \times 5 = 250$ cm^3	**capacity**: $5 \times 10 \times 5 = 250$ ml

a) Make a model of this container using the net you are given. Cut it out in one piece, then fold it and stick it together. Use lots of sellotape so the water doesn't leak out.

b) Draw a diagram of a container that can hold exactly **500 ml** of water. Label the measurements of its height, width, and length.

c) Make a model of the 500 ml container with the cardboard you are given. Cut it out in one piece, then fold it and stick it together. Test it to see if it will hold 500 ml of water.

If it holds 500 ml of water, explain how you knew what size to make your container.

d) If it doesn't hold 500 ml of water, explain how you would make it differently.