

**I am lighter than air, but
a million men cannot lift
me.**

What Am I?



Today, we are going to make our own bubble mixture and bubble wands!



We will need to use some of our maths skills to make these:

Capacity to measure our ingredients for the bubble mixture. Look for the measurement in millimetres (ml) and fill the liquid to the correct line.



Length to measure and make our bubble wands. On a ruler, look for the measurements centimetres (cm) and always measure from 0 to measurement needed.



Shape- we will make and use different shaped bubble wands and see if our bubbles will make different shapes.



In groups, half of you will make the bubble wands first and half the bubble mixture.

You will be given a number 1-7 and you need to join that group.

Bubble mixture

Ingredients	Instructions
<ul style="list-style-type: none">● 1 tbsp guar powder● 60ml washing up liquid● 600 ml water● 1 tbsp glycerine● 1 tbsp baking powder● Measuring cup● Tablespoon● Scales or measuring cup● Container● Spoon	<ul style="list-style-type: none">● Carefully, measure the guar powder using a tablespoon● Then measure the washing up liquid with a measuring jug and mix with the guar powder.● Next, measure and mix the water slowly.● Add 1 tbsp of glycerine and 1 tbsp of baking powder.● Stir the mixture carefully with a spoon.

Tri wands

What you will need

- 2 wooden dowels
- string
- Metre ruler
- Scissors
- 1 washer



Instructions

- Measure the first piece of string using a metre ruler
- Start from 0, measure 30cm and cut the string.
- The 2nd piece needs to be double the length so 60cm.
- Tie the short string to both dowels
- Then thread a washer through the long piece and tie to the dowels.

Straw wands

What you will need

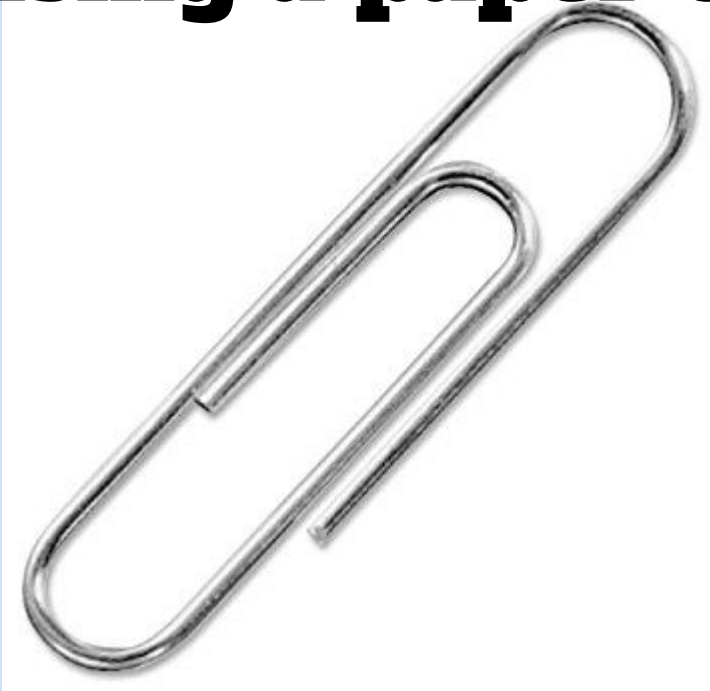
- 2 straws
- string
- Metre ruler
- Scissors

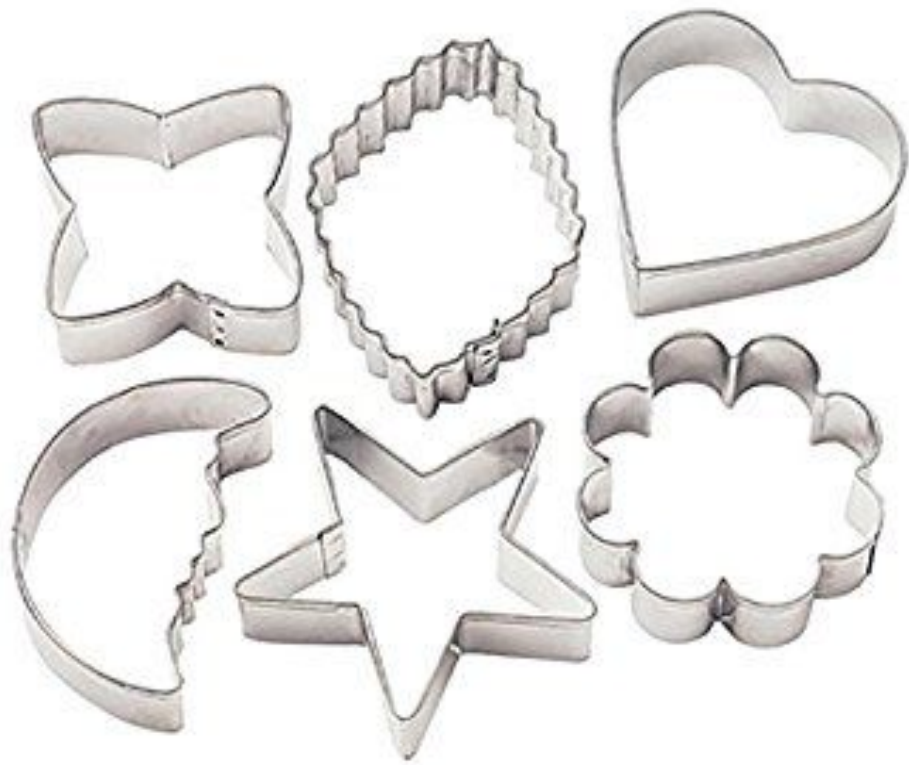


Instructions

- Measure the piece of string using a metre ruler
- Start from 0, measure 100cm and cut the string.
- Then thread the string through the straw and tie together

How big can you blow a bubble using a paper clip or pipe cleaner?





**What shape
would your
bubble be if
you used a
cookie
cutter?**



Which wand was your favourite? Why?

Which wand was your least favourite? Why?

Did the different shape wands make different shaped bubbles?



**MAKE
GIANT
BUBBLES**



