

VOLUME OF A SPHERE

INVESTIGATION

CHUPA CHUPS SUCK!

Warning! Do not do this activity if you are diabetic or cannot eat sweets.



REQUIREMENTS

Chupa Chup, ruler

INSTRUCTIONS

- You are a Chupa Chups Quality Controller.
- Measure and record the diameter of a Chupa Chups sweet before you eat.
- Commencing sucking!
- Suck your Chupa Chups for exactly 1 minute and then measure the diameter again.
- Repeat this until you have sucked the whole sweet. This takes about 20 minutes.
- Complete the table to calculate the radius and the volume each minute.

TIME (min)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
DIAMETER (cm)															
RADIUS (cm)															
VOLUME (cm ³)															

- Graph volume versus time. Time goes on the x-axis. Volume goes on the y-axis.
- Describe the shape of the graph.