



Science is Fun!

Challenge 1

Zara, Linh and Marcus have investigated a science question. They used sweets with coloured sugar to test this question.

Does more sugar dissolve when the water is warmer?



Here are their results.

Temperature of water	Number of sweets that dissolved
Cold	1
Warm (Room Temperature)	3
Hot	5

- How many sweets dissolved in the warm water?
- How many more sweets dissolved in the hot water than the cold water?
- Do more sweets dissolve when the water is warmer?

Marcus, Linh and Zara were doing a fair test.

- What was the **one** thing they changed?
- What was the **one** thing they measured?
- Write **one** thing they kept the same to make their test fair.
- Which safety reminder should you observe?

Challenge 2

Zara, Linh and Marcus have investigated a science question. They used sweets with coloured sugar to test this question.

Which liquids will sugar dissolve in?



Here are their results.

Type of liquid	Number of sweets that dissolved
alcohol	1
oil	0
water	2

- How many sweets dissolved in the water?
- How many more sweets dissolved in the water than the alcohol?

c. Do all liquids dissolve sugar?

Marcus, Linh and Zara were doing a fair test.

d. What was the **one** thing they changed?

e. What was the **one** thing they measured?

f. Write **one** thing they kept the same to make their test fair.

g. Which safety reminder should you observe?

Think and reflect.

Look, what I can do!

1. Can I name two materials that dissolve in water and one that does not?
2. Can I ask a scientific question and plan the right type of scientific enquiry to find the answer?
3. Can I explain how to stay safe in an investigation?