



# 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

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

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?

## 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?

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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?