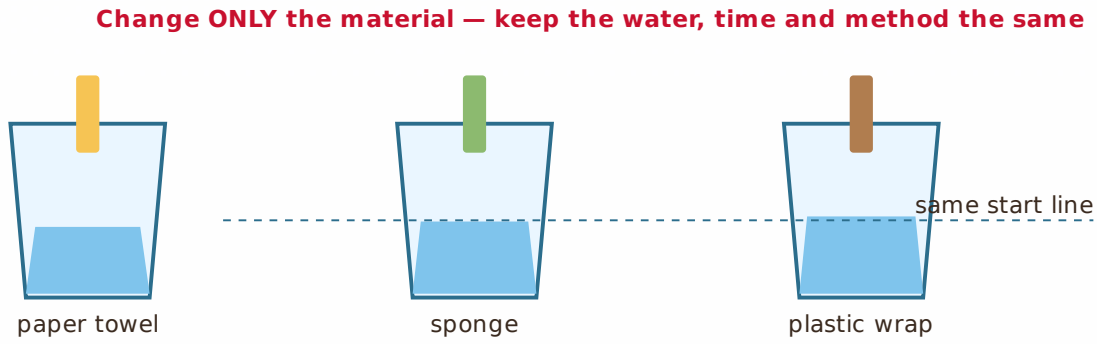
Absorbency Investigation

Planning a fair absorbency test

Some materials soak up water — they are **absorbent**. Today you will run a **fair test** to find out which material is the most absorbent. In a fair test you change **one thing** and keep everything else the same.



A fair absorbency test: identical cups, the same amount of water, the same time — only the material changes.

> To measure how much water was soaked up, you can weigh the material before and after (remember: **1 gram of water = 1 millilitre**), or measure how much water is left in the cup.

Run your investigation

Question and prediction

Q1. Write the question your test will answer.

Q2. Which material do you **predict** will be most absorbent? Give a reason.

Make it fair

Q3. Complete the fair-test plan.

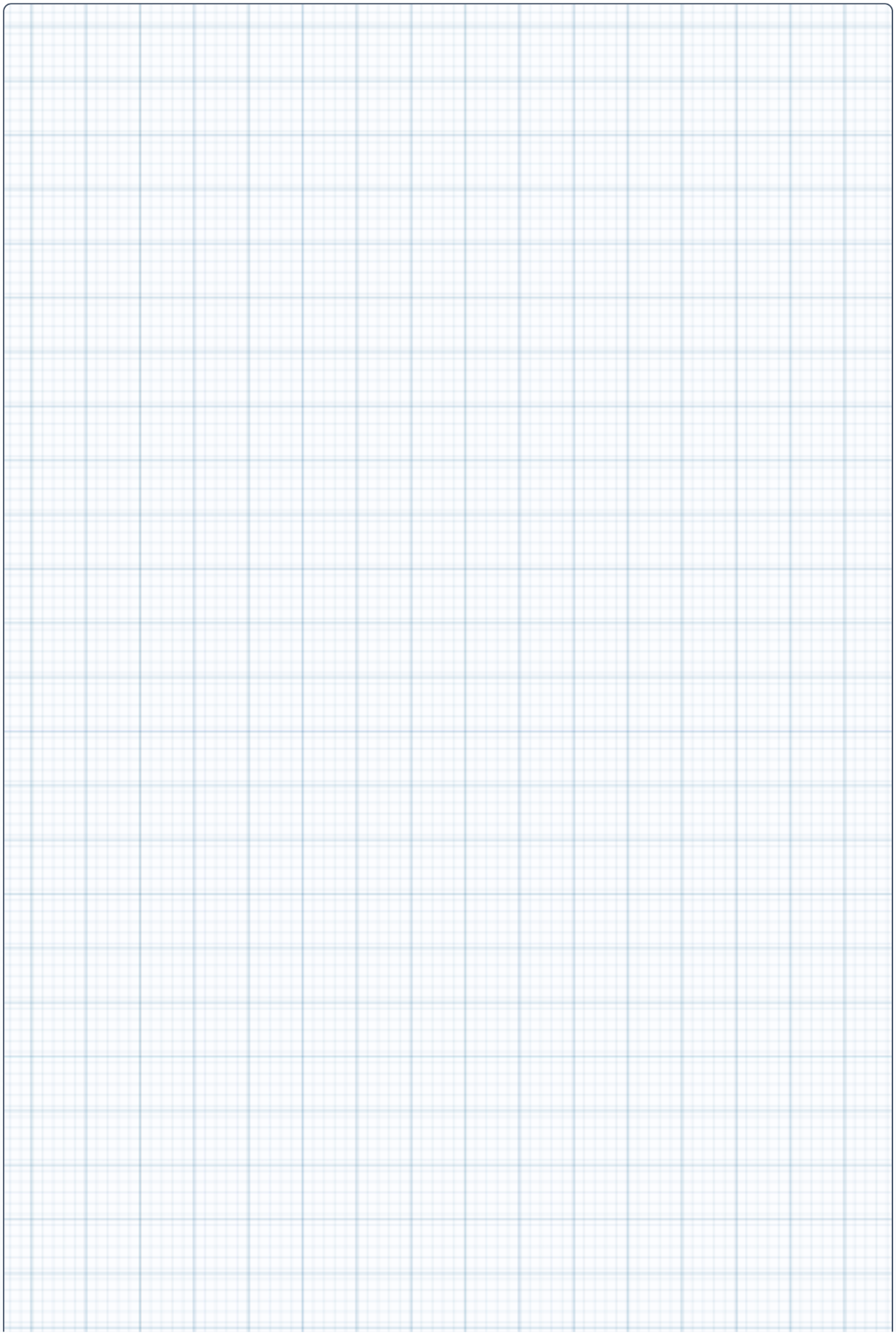
Part of the test	What I will do
I will CHANGE (one thing)	
I will MEASURE	
I will KEEP THE SAME (list them)	

Results

Q4. Record how much water each material absorbed (in mL).

Material	Water absorbed (mL)

Q5. Draw a **column graph** of your results. Label both axes and give it a title.



Conclusion and evaluation

Q6. Which material was the most absorbent? How does your **data** show this?

Q7. Was your test fair? Did anything else change by accident? What would you improve next time?