# RESULTS TABLE BUILDER CARDS

CUT OUT THE CARDS AND USE THEM TO PLAN OR BUILD A RESULTS TABLE.

## INDEPENDENT VARIABLE

What you change.
(X)

## DEPENDENT VARIABLE

What you measure.
(Y)

## CONTROLLED VARIABLE

What you keep the same.

## UNITS

Include the unit in the column heading.

## TRIAL

Repeat each experiment.

## EXAMPLE: INDEPENDENT VARIABLE

| Temperature (°C) |
|---|
| 10 |
| 20 |
| 30 |
| 40 |

## EXAMPLE: DEPENDENT VARIABLE

| Time for salt to dissolve (s) |
|---|
| 45 |
| 32 |
| 24 |
| 18 |

## EXAMPLE: CONTROLLED VARIABLE

| Volume of water (mL) |
|---|
| 100 |
| 100 |
| 100 |
| 100 |

## EXAMPLE: INCLUDE UNITS

| Mass of object (g) |
|---|
| 15.2 |
| 15.2 |
| 15.2 |
| 15.2 |

## EXAMPLE: TRIALS

| Trial 1 | Trial 2 | Trial 3 |
|---|---|---|
| 45 | 44 | 46 |
| 32 | 33 | 31 |
| 24 | 24 | 25 |
| 18 | 17 | 18 |

## TABLE TITLE

Title

Add a clear title that explains your investigation.

## COLUMN HEADINGS

Label each column with the variable and unit.

## DATA VALUES

Record your results in the correct columns.

## CONSISTENT UNITS

mL °C g s

Use the same units throughout your table.

## DECIMAL PLACES

1.2 1.20 1.200

Use a consistent number of decimal places.

## ACCURATE

Record results carefully and accurately.

## NEAT & CLEAR

Keep your table neat and easy to read.

## CHECK YOUR DATA

Look for anomalies or patterns in your results.

## USE HEADINGS, NOT ABBREVIATIONS

Write full headings so others can understand.

## PLAN BEFORE YOU TABLE

Plan your table before you start collecting data.

## EXAMPLE COMPLETE RESULTS TABLE

| Temperature (°C) | Time for salt to dissolve (s) | Volume of water (mL) | Mass of salt (g) | Trials (s) | | | |
|---|---|---|---|---|---|---|---|
| | | | | Trial 1 | Trial 2 | Trial 3 | Mean (s) |
| 10 | — | 100 | 5.0 | 45 | 44 | 46 | 45.0 |
| 20 | — | 100 | 5.0 | 32 | 33 | 31 | 32.0 |
| 30 | — | 100 | 5.0 | 24 | 24 | 25 | 24.3 |
| 40 | — | 100 | 5.0 | 18 | 17 | 18 | 17.7 |

## KEY REMINDER

- Change one variable.
- Measure the effect.
- Keep everything else the same.