

Name: .....

Date: ...../...../.....

Number: .....

# Data Analysis

- D(A1) Follow a simple **method** safely and record data
- D(C1) Choose the **correct graph** to draw
- D(A2) Independently take repeat **readings**
- D(B2) Plot a **bar chart** correctly
  - Axis labels
  - Units
  - Bar labels
  - Bars: Height / Width / Gap
- D(C2) Plot a **scatter graph** correctly
  - Axis labels
  - Units
  - Plotted to 1mm accuracy (4/5)
- D(A3) Independently calculate **means**
- D(C3) Draw a **straight line** of best fit
- D(B3) Independently work out **scale** for graph.
- D(C4) Draw a **non-straight line** of best fit
- D(A4) Line of best fit ignores anomalies.

Was your independent variable categoric or continuous?

Tick **one** box.

Categoric

Continuous

**D(B1)**

Y77 - Emerging

Y78 - WB

## Conclusions

What does your data show?

The (IV) ..... with the highest (DV) .....

..... was (bar label name) .....

**C(A2)**

Y77 - D

Y78 - WB

As the (IV).....

is increased, the (DV) .....

[increases / decreases / is unaffected].

**C(B2)**

Y77 - D

Y78 - WB



What Evidence do you have for the relationship?

When the (IV) .....

was ..... the (DV) .....

was .....

While when the (IV) .....

was ..... the (DV) .....

was .....

**C(A3)**

**C(B3)**

Y77 - Securing

Y78 - Emerging

Fold and glue here

For Categoric IV

For Continuous IV

# Evaluations

What was good or bad about your experiment?

.....

E(A1)

Y7 - E  
Y8 - WB

Was your test fair?

Tick **one** box.

YES

NO

E(A2)

Y7 - D  
Y8 - WB

Give a reason for your answer.

It [was / was not] a fair test because [only the (IV) ..... was changed.

/ (CV) ..... also changed.]

What was the hardest thing to control or measure in your experiment?

The hardest thing to [control / measure] was the .....

E(B1)

Y7 - E  
Y8 - WB

Why was that the hardest thing to control or measure?

The hardest thing to [control / measure] was the .....

because .....

.....

E(B2)

Y7 - D  
Y8 - WB

How could the method be improved?

The method could be improved if .....

.....

.....



E(C2)

Y7 - D  
Y8 - WB

Did you have any anomalies (weird results) in your table?

Tick **one** box.

YES

NO

Explain your choice of answer.

.....

.....

E(B3)

Y7 - S  
Y8 - E

Did you have any anomalies (weird results) on your graph?

Tick **one** box.

YES

NO

Explain your choice of answer.

.....

.....

E(C3)

Y7 - S  
Y8 - E