

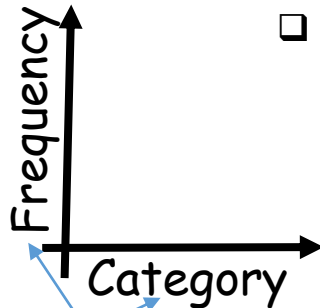
# Graphs and Statistics



Always use a pencil and ruler to draw diagrams.

## Scales and axes

The scale interval on the axis needs to be equal widths.



Always label the axes.

## Bar graphs

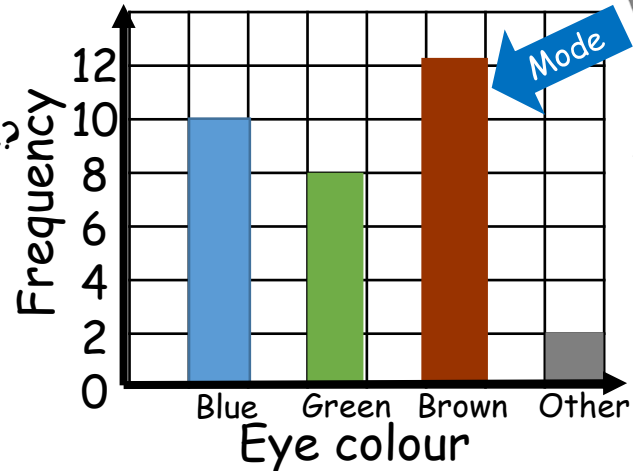
### Checklist

Have you:

- Written a title?
- Labelled all axes?
- Used a suitable scale?
- Plotted points accurately?
- Given a key, if required?

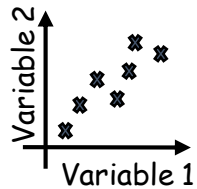
Frequency means 'how often'.

When plotting discrete data make sure there are gaps between the bars.

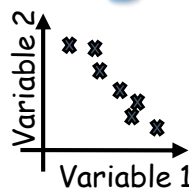


Graphs & Statistics

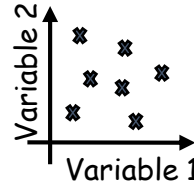
## Scatter graphs



**Positive correlation**



**Negative correlation**



**No correlation**

## Pie charts



$$\text{Degrees per item} = \frac{360^\circ}{\text{Total number of items}}$$