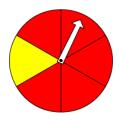
Graphs and Statistics

Sample size

Remember the larger a sample, the more accurate the data.

Make sure your sample isn't **biased** (unfair).



Random

e.g. Select names out of a hat.

Questionnaire and survey

Checklist

- ☐ Unbiased.
- □ Not vague.
- □ Not personal.
- ☐ Time frame in the question.
- ☐ Three or more category options.
- □ Categories don't overlap.
- □ 'None', 'other' and 'more' categories included when appropriate.

Types of sampling

Stratified

Selects proportional amount of people from each group.



Data collection

Event	Tally	Frequency
Red	Ш	3
Blue	MI II	7



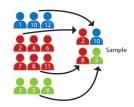
Median - Middle value.

Mode - Most common value.

Mean - Add all the values together then divide by how many there are.

Range - Subtract the smallest from

the largest value (tells you about the consistency of the results).



Proportion of people = $\frac{Group\ size}{Population} \times Sample\ size$