

Class Variation Data Collection

Using your recently drawn results table, collect all of the following data.

- Name
- Height
- Eye Colour
- Arm span (the length from fingertip to fingertip of an individual's arms)
- Gender

Name	Height	Eye Colour	Arm Span	Gender



Now you have collected your results, you will need to analyse them.

Questions

Bronze

1. What is the most common eye colour?

2. Describe how you would calculate the average height of the class? Calculate the average height of everyone in your class?

Silver

1. What is the link between height and arm span?

2. How could you show that link better than the results table?

Gold

1. How could you look at the range of heights within the class?

2. What other data from the table could you analyse?

Class Variation Data Collection Answers

Bronze

1. The answers will vary dependent on the class. The important thing is to encourage pupils to look through their results.
2. Add up the total heights for the class and divide by the number of pupils measured. Answer to the second part of the question will vary.

Silver

1. Pupils will need to look at the height and arm span column. They may come up with a variety of answers such as; the taller the person the larger the arm span.
2. Draw a line graph of height vs arm span. This will allow you to see the link in more detail. (If it is a higher ability class and you have time you could get them to draw the graph as an extension, or set it as homework).

Silver

1. Place the height data into a height frequency table and drawing a height frequency graph.
2. Pupils answers will vary, they may suggest looking at gender and height.