AQA, OCR, Edexcel

GCSE

GCSE Maths

Questionnaires and Data Answers

Name:

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Total Marks: /12

Questionnaires and Data

1. Describe the word correlation in relation to graphs.

- It means the relationship between the two variables
- It can be positive, negative or no correlation.

(2 marks)

2. Name three different types of graphs and charts that would be suitable to represent data showing the shoe size of students in a school.

- Bar Chart, pie Chart, frequency polygon, frequency graph, cumulative frequency curve, histogram etc.

(3 marks)

3. What is the difference between discrete and continuous data?

- Discrete has fixed values; continuous data has no fixed values and can take any value.

(1 mark)

4. Describe the difference between qualitative and quantitative data?

- Quantitative is numerical data and qualitative is non-numerical data.

(1 marks)

5. Design a questionnaire to determine how much TV people watch in your school?

- How many hours of TV do you watch in a week?

0 hours	1-4 hours	5-8 hours	8+ hours

(Allow any answer that has tick boxes that don't overlap and include all possible answers).

(3 marks)

6. Why would a pie chart be a poor way to represent the exact heights of 1000 different people?

- It is continuous data
- 1000 different pieces of data would be too difficult to read on the chart.

(2 marks)

7. Design a questionnaire that enables you to collect data so that you know what percentage of people in a gym takes a water bottle with them when training.

(3 marks)

- Do you take a water bottle to the gym when training?

Yes	No