

COLLECTING DATA

Use the following four words to complete these sentences.

QUALITATIVE QUANTITATIVE DISCRETE CONTINUOUS

1. Eye colour is and

2. Height is and

3. Mr Brown buys a new car. Write down three pieces of data associated with buying a car that represents the following types of data:

(a) Qualitative data

(b) Quantitative data.....

(c) Discrete data

(d) Continuous data.....

4. Mark says that his age is 16years. Mark says this is discrete data, but his teacher disagrees and says it is continuous. Explain why this is a common mistake.

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5. Explain why some data needs to be grouped.

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- Data that is collected by the person intending to use it is called primary data.

6. Give one advantage and disadvantage to collecting primary data.

Advantage.....

Disadvantage.....

7. What is meant by the term “bias”

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8. Sarah is designing a questionnaire. She wants to know more about the ICT skills of employees in her company.

(a) Write down one thing wrong with this question

How often do you use computers ?

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(b) Write a better question in the space below

9. Explain what is meant by

(a) random sampling

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(b) systematic sampling

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10. The table shows year 11 students in 4 maths classes. A sample size of 30 is to be taken. Using a stratified method of sampling, how many students should be chosen from class 1?

Maths class	Number of students
Class 1	35
Class 2	25
Class 3	20
Class 4	10

Answer