



S04-10min Types of Data: 10-minute Pack

EDEXCEL 1ST0 · Calculator allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / ____

Answer ALL questions. Show all your working.

- 1 Classify the variable 'colour of a car' as qualitative or quantitative.

(Total for Question 1 is 1 mark)

- 2 State whether this is True or False: Primary data is collected first-hand, for a specific purpose.

(Total for Question 2 is 1 mark)

- 3 Define what is meant by quantitative data, and give one example of a quantitative variable.

(Total for Question 3 is 2 marks)

- 4 A vet records two variables for a dog: its breed, and its mass in kilograms. Write down whether each variable is qualitative or quantitative.

(Total for Question 4 is 2 marks)

- 5 For each statement, write down whether it is True or False.
- (i) Bivariate data involves two variables recorded for each individual or item.
 - (ii) Grouped data shows the exact individual value for every item in the data set.

(Total for Question 5 is 2 marks)

6 Give one advantage of using primary data, and one disadvantage of using primary data.

(Total for Question 6 is 2 marks)

Mark scheme · S04-10min Types of Data: 10-minute Pack

Question 1

- **B1** Qualitative cao
- **Answer: Qualitative**

Question 2

- **B1** True cao
- **Answer: True**

Question 3

- **B1** data that is numerical and can be counted or measured, oe
- **B1** a valid quantitative example, e.g. height, age, number of pets, oe
- **Answer: Quantitative data is numerical data that can be counted or measured, for example a person's height.**

Question 4

- **B1** Breed: qualitative
- **B1** Mass (kg): quantitative
- **Answer: Breed - qualitative; Mass (kg) - quantitative.**

Question 5

- **B1** (i) True cao
- **B1** (ii) False cao
- **Answer: (i) True (ii) False**

Question 6

- **B1** advantage: e.g. collected for the exact purpose needed, and the researcher controls how it is collected, oe
- **B1** disadvantage: e.g. can take longer and cost more to collect than using existing data, oe
- **Answer: Advantage: it is collected for the exact purpose needed. Disadvantage: it can take longer and cost more to collect than using data that already exists.**