Primary and secondary data

Grade 2 | Foundation | 5 questions, 19 marks

GCSE Statistics topic practice

Name: _____ **Date:** _____ **Score:** _____ **/ 19**

1 Three pupils each collect some data for a project.

Pupil	How the data is collected
Zara	She counts the cars that pass her house in one hour.
Ben	He copies a football league table from a website.
Mia	She measures the heights of the pupils in her class.

For each pupil, write down whether the data is primary data or secondary data. (3 marks)

2 Kwame wants to find out how the pupils at his school travel to school. He thinks of two ways to get data.

Method A: give a questionnaire to pupils at his school.
Method B: use a table on a government website showing how pupils in England travel to school.

a. Write down the method that gives primary data. (1)

b. Give one advantage of using secondary data. (1)

c. Give one reason why the data from Method B may not be suitable for Kwame. (1)

(3 marks)

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3 Mrs Okafor owns a cafe. She wants to find out which of three new cakes her customers like best.

She decides to collect primary data.

a. Describe one way Mrs Okafor could collect primary data. (1)

b. Give one advantage of using primary data. (1)

c. Give two disadvantages of collecting primary data. (2)

(4 marks)

4 Leo is writing a report about how much rain falls in Bristol, the city where he lives.

He finds this table in an old geography book.

Month in 2009	June	July	August
Rainfall in Manchester (mm)	67	112	85

a. Is this primary data or secondary data for Leo? Give a reason for your answer. (2)

b. Give two reasons why this data may not be suitable for Leo's report. (2)

(4 marks)

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5 Dan wants to know how long teenagers spend online each day. He finds this table on the website of a company that sells mobile phones.

Year	2016	2017	2018
Mean time online each day (hours)	3.1	3.9	4.6

The website says the company asked 20 of its own customers each year.

a. Write down whether this is primary data or secondary data for Dan. (1)

b. Give two reasons why this data may not be reliable. (2)

c. Dan decides to collect his own data from the 180 pupils in his year group instead. Give one advantage and one disadvantage of doing this. (2)

(5 marks)

End of questions | Total 19 marks

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