Questionnaires and biased questions

Grade 3 | Foundation | 5 questions, 20 marks

GCSE Statistics topic practice

Name: _____ **Date:** _____ **Score:** _____ **/ 20**

1 Here are two questions about homework.

A	Do you agree that homework is a waste of time?
B	How many hours of homework did you do last week?

a. Write down the letter of the question that is biased. (1)

b. Give a reason for your answer to part (a). (1)

c. Rewrite the biased question so that it is not biased. (1)

(3 marks)

2 Kofi wants to find out how much time people spend on their phones. He writes this question.

How long do you spend on your phone?

a. Write down two things that are wrong with Kofi's question. (2)

b. Write a better question for Kofi to use. Include some response boxes. (2)

(4 marks)

Free for classroom and home use: print, photocopy and share. Not for resale or re-hosting.

3 Dan writes a questionnaire about a sports centre. Here are two of his questions.

Question 1 Do you agree that the new sports centre is brilliant?
☐ Yes ☐ No

Question 2 How many times do you visit the sports centre?
☐ 1 to 3 ☐ 3 to 5 ☐ 5 to 7

a. Write down one thing that is wrong with Question 1. (1)

b. Write down two things that are wrong with the response boxes for Question 2. (2)

c. Write a better question for Question 2. Include some response boxes. (2)

(5 marks)

4 Mrs Okafor is going to send a questionnaire to the parents of 400 pupils. Before she does this, she gives the questionnaire to 10 parents to try out.

a. Write down the name for this small trial of the questionnaire. (1)

b. Give one reason why it is a good idea to try out a questionnaire first. (1)

c. One question is "How much do you earn each year?"
Give one reason why some parents may not answer this question. (1)

d. Parents do not have to write their name on the questionnaire.
Give one advantage of this. (1)

(4 marks)

Free for classroom and home use: print, photocopy and share. Not for resale or re-hosting.

5 A council wants to find out what people think about its bin collections. It is going to post a questionnaire to every home in the town.

a. Give one advantage of posting a questionnaire instead of interviewing people face to face. (1)

b. Give one disadvantage of posting a questionnaire. (1)

c. Here is one question from the questionnaire.

Bin collections are too rare and too early in the morning, don't you agree?

☐ Yes ☐ No

Write down two things that are wrong with this question. (2)

(4 marks)

End of questions | Total 20 marks

Free for classroom and home use: print, photocopy and share. Not for resale or re-hosting.