



GCSE Maths Takeaway 80 - Questionnaires

Name:

Date:

Follow up Questions for Edexcel GCSE – June 2014 – Higher – Paper 2 (Calc) – Question 8c

Danny is also interested in hot Vimtos.
He decides to ask 12 people about their Vimto habits.

Which of the following reasons best describes why this might not be a suitable sample?

- A** There are likely to be more older people than young people
- B** There are not enough people in the sample to get a reliable result
- C** It is biased
- D** Everyone might like Vimto

Correct Answer: A B C D

Explanation:

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Follow up Questions for Edexcel GCSE – June 2014 – Higher – Paper 2 (Calc) – Question 8c

JoPo is also interested in hot Vimtos.
She asks people about their Vimpto habits at 10am on a Tuesday

Which of the following reasons best describes why this might not be a suitable sample?

- A** She should ask on a Saturday
- B** She may just ask people she knows
- C** There are not enough people in the sample to get a reliable result
- D** There might not be a representative spread of ages at that time of the day

Correct Answer: A B C D

Explanation:

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Follow up Questions for Edexcel GCSE – June 2014 – Higher – Paper 1 – Question 5

Anton wants to find out how often people go for a run. He designs the following question:

How often do you go for a run?

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1 to 2 times 2 to 3 times 3 to 4 times 5 or more times

How many mistakes are there in his question?

- A** 1
- B** 2
- C** 3
- D** 4

Correct Answer: A B C D

Explanation:

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Colm and Gaz are trying to decide if a test was too hard.

Colm surveyed 5 people and found their average score in a test was 78%.

Gaz surveyed 200 people and found their average score in the same test was 43%.

Whose results are likely to be the most reliable?

- ☐ A Colm as he asked less people
- ☐ B Gaz as he asked more people
- ☐ C Colm as the average score was higher
- ☐ D Gaz as the average score was lower

Correct Answer: A B C D

Explanation:

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I wish to collect data on the amount people smoke. Which of these methods would be the best way of doing this avoiding bias?

- A) Ask people at a Boots buying Nicorette patches how much they smoke
- B) Send out a questionnaire asking how much they smoke and get them to send it back to me
- C) Ask random people in the street an anonymous questionnaire with different categories for how much they smoke
- D) Look at up-to-date data online for my local area

Correct Answer: A B C D

Explanation:

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