

How to ...

Mason is doing a survey to find out how many magazines people buy. He uses this question on his questionnaire.

How many magazines do you buy?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0 to 4	4 to 8	8 to 12

(a) Write down **two** things wrong with this question.

Overlapping boxes

OR No time zone

OR No more than 12

"No zero" will not be acceptable as they could tick the 0-4 box (2)

(b) Write a better question for Mason to use on his questionnaire to find out how many magazines people buy.

How many magazines do you buy each month?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0-4	5-8	9-12	13+

Do not use inequalities

** you must include a timescale*

*** make sure the question reflects what is being asked ** (2)*

Mason asks his friends at school to do the questionnaire.

This may **not** be a good sample to use.

(b) Give **one** reason why.

The will all be a similar age or may all like the same magazines or the sample is too small. (1)

Now have a go yourself ...

Gary wants to find out how much time pupils spend listening to music.

He uses this question on a questionnaire.

How many hours do you spend listening to music?

<input type="checkbox"/> 1 to 5	<input type="checkbox"/> 5 to 10	<input type="checkbox"/> 10 to 20	<input type="checkbox"/> Over 20
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(a) Write down **two** things wrong with this question.

b) Design a better question for Gary's questionnaire to find out how much time teenagers spend listening to music.

Exam Questions

Q1. Sam wants to find out the type of films people like best. He is going to ask whether they like comedy, action, science fiction or musical films best.

Design a suitable table for a data collection sheet he could use to collect this information—include response boxes.

Q2. 200 students in year 11 took a mathematics test. Kamini wants to find out whether these students like mathematics. For her sample she asks the 20 students who got the highest marks in the test.

This is not a good sample to use.

(a) Write down one reason why.

She uses this question on her questionnaire.

What do you think of mathematics?

Excellent Very Good Good

(b) Write down one thing that is wrong with this question.

Ready to be marked ?

Checklist



Answer checked



Make sure your question doesn't include any of the things that could be wrong



Keywords



Things to remember ...



What went well ...

Teacher comment ..