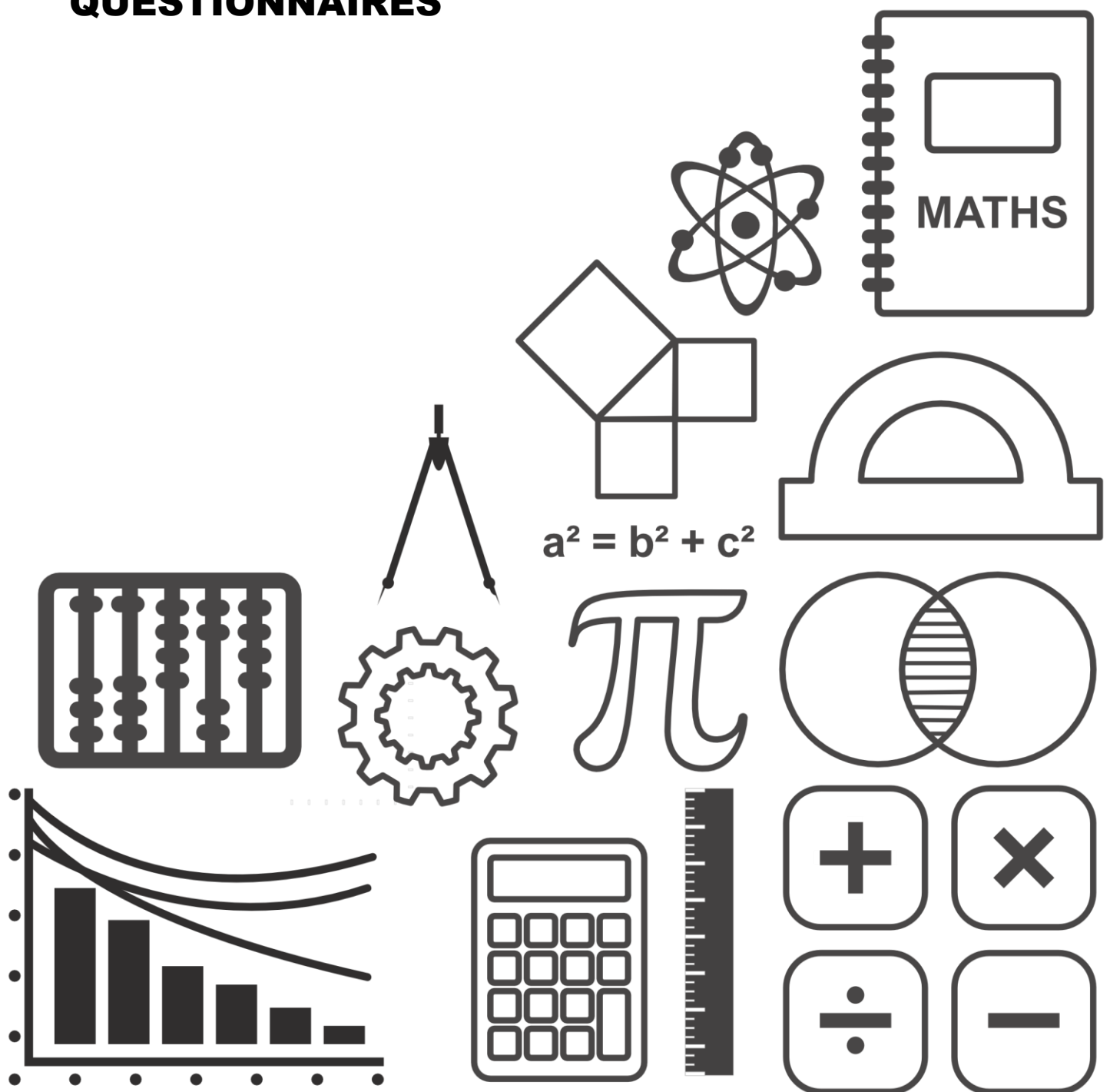


GCSE TOPIC BOOKLET QUESTIONNAIRES



1.

A survey was carried out to find how often teenagers buy DVDs.

The following two questions were asked in a questionnaire.

Q1. <i>Where do you live?</i>			
Q2. <i>How often do you buy DVDs?</i>			
<i>Never</i>	<i>1-10 times</i>	<i>10-15 times</i>	<i>More than 15 times</i>
☐	☐	☐	☐

(a) For each question give **one** reason why it is **not** suitable. [2]

Q1.

.....

Q2.

.....

(b) The survey was carried out by leaving copies of the questionnaire on the DVD shelves in a supermarket.

Give **one** criticism of how the survey was carried out. [1]

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A survey is carried out by asking people questions as they come out of a juice bar.



A section of the questionnaire is shown below.

In questions 1 and 2 put a tick (✓) in a box

1. How old are you?

15 to 20 ☐

21 to 30 ☐

30 to 40 ☐

41+ ☐

2. Do you ever go to the juice bar to buy a fruit drink?

Yes ☐

No ☐

3. What method of payment do you use?

(a) Explain why this is a biased survey.

[1]

(b) State two criticisms of the design of question 1.
First criticism of question 1:

[1]

Second criticism of question 1:

[1]

(c) (i) What is wrong with the design of question 3? [1]

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(ii) Show how question 3 could be improved. [1]

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A survey was carried out in Newcastle in the north of England.

The following two questions were asked.

Q1. <i>Do you think it is right to play all of England's international matches down in London, which makes it difficult for people from the north of England to attend?</i> YES ☐ NO ☐
Q2. <i>How often have you visited the new Wembley stadium in London?</i> 1-5 times ☐ 6-10 times ☐ 10 or more times ☐

(a) Write down **one** criticism of the first question. [1]

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(b) Give **two** reasons why the second question is **not** suitable. [2]

Reason 1

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Reason 2

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4.

Martha wants to test the following hypothesis.

'More men than women buy a daily newspaper.'

She plans to

- hand out a short questionnaire at a Women's Institute meeting,
- ask the following questions in the questionnaire,

(i) How old are you? 			
(ii) How often do you buy a newspaper?			
Never		1-3 times	
		3-5 times	
			More than 5 times

- collect their replies at the next meeting.

Write down **three** unfavourable comments about this plan.

[3]

1.

2.

3.

5.

Nerys wants to test the following hypothesis.

'Dog owners are fitter than the average person.'

She plans to:

- hand out a short questionnaire between 9 a.m. and 10 a.m., as people arrive at a local dog show,
- ask the following questions in the questionnaire,

(i) How fit are you?

(ii) How often do you walk your dog?

1–5 times

6–10 times

10 or more times

- collect the completed questionnaires between 4 p.m. and 5 p.m., as people are leaving the dog show.

Write down three unfavourable comments about this plan.

[3]

1.

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2.

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3.

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6.

A survey is to be carried out to investigate how popular earphones are with different age groups of the general population.
The survey is carried out by asking people questions as they come out of an electronics and phone shop.
Two questions from the survey questionnaire are shown below.

1. How old are you?	
Put a tick in the box	under 10 ☐
	10 to 20 ☐
	30 to 40 ☐
	40 to 50 ☐
	Older than 50 ☐
2. Do you own earphones?	
Put a tick in the box	Yes ☐
	No ☐

(a) Explain why this is a biased survey. [1]

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(b) State 2 criticisms about the design of question 1 in the survey.
First criticism: [1]

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Second criticism: [1]

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(c) Write a question, with a selection of answer boxes, to find out how much people are prepared to pay for earphones. [2]

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7.

In a Park and Ride scheme, people leave their cars on the outskirts of a town and travel into town by bus.
A survey was carried out to decide if a town should start a Park and Ride scheme.

Shoppers in the town were asked the following four questions.

Q1. Did you travel into town by car?			
YES	<input style="width: 40px; height: 25px;" type="checkbox"/>	NO	<input style="width: 40px; height: 25px;" type="checkbox"/>
Q2. What type of car do you have?			
Q3. Was it easy to find a place in town to park your car?			
YES	<input style="width: 40px; height: 25px;" type="checkbox"/>	NO	<input style="width: 40px; height: 25px;" type="checkbox"/>
Q4. How many times would you use a Park and Ride, if available?			
1-5 times	6-10 times	more than 10 times	less than 20 times
<input style="width: 40px; height: 25px;" type="checkbox"/>	<input style="width: 40px; height: 25px;" type="checkbox"/>	<input style="width: 40px; height: 25px;" type="checkbox"/>	<input style="width: 40px; height: 25px;" type="checkbox"/>

- (a) Which one of the first **three** questions would you remove?
You must give a reason.

[1]

- (b) Give **two** reasons why question 4 is not suitable.

[2]

Reason 1

Reason 2

Gareth wants to test the following hypothesis.

'Most people spend more than 2 hours per night watching television.'

He plans to

- hand out a short questionnaire to people at the local fitness centre,
- ask the following questions,
 - (i) Do you think people watch too much television?
 - (ii) How much time do you spend watching television?
- ask them to post their completed questionnaire using a pre-paid envelope.

Write down **three** unfavourable comments about this plan.

1.

2.

3.

[3]

9.

A survey was carried out to find whether people preferred watching sport programmes or crime programmes on television.

The following three questions were asked.

Q1. What is your address?

Q2. What type of TV programme do you prefer? Tick one box.

Sport

☐

Crime

☐

Q3. How many hours do you spend watching television?

less than 1 hour

☐

1-5 hours

☐

more than 5 hours

☐

more than 10 hours

☐

(a) Give one reason in each case to explain

(i) why Q1 is not suitable

[1]

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(ii) why Q3 is not suitable.

[1]

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(b) The survey was carried out by questioning people leaving a football ground one Saturday afternoon.

Give one criticism of how the survey was carried out.

[1]

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