Name:

Exam Style Questions

Questionnaires

Corbettmaths

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

Guidance

1. Read each question carefully before you begin answering it.
2. Don't spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

1. George wants to find out how much money people spend on DVDs.

He uses this question.

How much do you spend on DVDs?

☐ £5 - £10

☐ £10 - £30

☐ £30 - £50

☐ Over £50

(a) Write down two criticisms of his question.

1 .The..boundaries..overlap...e.g:.1st..and..2nd
botn..include..£10.

2 Doesn't..include..all..options..e.g:..£0..-..£4.99..or:

3..No..timescale..included:

(2)

(b) Design a better version of this question.
Include response boxes.

☐ £0 - £4.99

☐ £5 - £9.99

☐ £10 - £14.99

☐ £15 +

How much money do you
spend on DVDs each month?

(2)

George asks 10 people in his class.

(c) Explain why his sample is biased.

Those..in..his..class..will..be..of..close..age..therefore
no..variety..of..age.

(1)

2. Aidan wants to find out people's opinion on a new road being built.

A new road will cause a lot of traffic for the village, don't you agree?

☐ Yes

☐ Maybe

☐ Unsure

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

1 .....There is no option for disagreement eg: 'No' or 'No opinion'.....

2 .....He is attempting to influence responses through the use of 'Don't you agree?'.....

(2)

(b) Design a better question for Aidan's questionnaire to find out if people wanted a new road to be built.

Include response boxes.

Do you think a new road will cause an increase of traffic in the village?

☐ Yes

☐ unsure

☐ No

☐ No opinion

(2)

3. Mrs Martin wants to open a new restaurant in her town.
    She wants to find out what type of food people in her town like.

    (a) Design a suitable question she could ask to find out what type of food
        people like.

    what cuisine do you prefer?
    ☐ Indian

    ☐ Chinese

    ☐ European

    ☐ Italian

    ☐ Other   _____

                                                                    (2)

    Mrs Martin posts the questionnaire to 100 people chosen at random across the
    country.

    (b) Explain why this is not sensible.

    The restaurant is being opened within her town.
    Selecting random people across the country that are unlikely
    to dine in her restaurant.   (1)

    She asks her friends "Do you agree that curry is better than pizza?"

    (c) Give two reasons why this is not a good way to find out what people in her
        town might like to eat.

    1 No option for opinion on alternative dishes.

    2 Attempting to influence responses

                                                                    (2)

4. The manager of a cinema wants to find out how often people go to the cinema.

She uses this question on a questionnaire.

How often do you go to the cinema, a month?

☐ A lot

☐ Often

☐ Many times

(a) Write down what is wrong about this question.

The three options are too similar with not enough information provided.

(1)

(b) Design a better question for the manager of the cinema.

How often do you go to the cinema each month?

☐ 0 - 3 times

☐ 4 - 6 times

☐ 7 - 9 times

☐ 10+ times

(2)

5.   Clark is going to take a survey of films watched by students.

He wants to design a questionnaire.

(a) Design a suitable question that he could use to find out what type of films students watch.

What genre of film do you watch most often?

☐ Action   ☐ Romance

☐ Comedy   ☐ Other _____

☐ Drama

☐ Horror

(2)

Clark uses this question on his questionnaire.

How many films have you watched?

☐ A little

☐ A lot

(b) Design a better question.
   Include response boxes.

How many films do you watch per week?

☐   0 - 1

☐   2 - 3

☐   4 - 5

☐   6 +

(2)

6. Mrs Jackson wants to find out how much pocket money students are given.

She uses this question.

How much pocket money do you receive, each month?

☐ £0 - £5

☐ £0 - £10

☐ £12 - £20

☐ Over £20

(a) Write down two criticisms of the response boxes.

1 Overlap of boundaries eg. £0-£5 and £0-£10

2 £11 has been missed out as an option completely.

(2)

(b) Design better response boxes below.

☐ £0 - £4·99

☐ £5 - £9·99

☐ £10 - £14·99

☐ £15 - £19·99

☐ £20 +

(2)

7. Jon wants to find out how much people spend on Christmas presents.

Design a question for his questionnaire to find out how much people spend on Christmas presents each year.
Include response boxes.

How much, on average, do you spend on Christmas presents each year? To the nearest pound.

☐ Less than £100

☐ £100 – £199

☐ £200 – £299

☐ £300 – £399

☐ £400 +

(2)

8.   Cameron wants to find out how many televisions people own.

He uses this question in his questionnaire.

How many televisions do you own?
☐ 1 - 3

☐ 4 - 6

Write down two different things wrong with this question.

1 No option for someone that may not own any televisions

2 No option for someone that may own more than 6 televisions

(2)

9.   Bethany wants to find out the amount of time people jog a week.
     She will use a questionnaire.

     Design a suitable question for Bethany to use in her questionnaire.
     Include response boxes.

How long do you jog for each week?
Give your answer to the nearest minute.

☐   0 - 29 minutes

☐   30 - 59 minutes

☐   60 - 89 minutes

☐   90 + minutes

(2)

10. Charlie wants to find out what students think about school.
For his sample he asks 10 Year 7 students.

This is not a good sample to use.

(a) Write down a reason why.

Only using pupils in Year 7 therefore not using a variety of age.

(1)

He uses this question.

What do you think of chemistry?

☐ **Excellent**

☐ **Very good**

☐ **Good**

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

No option included for those that dislike Chemistry or think it is 'bad'

(1)

Charlie wants to find out how many hours students revise for their chemistry test.

(c) Design a suitable question.

How many hours did you spend revising for your Chemistry test?

☐ 0 - 59 minutes ☐ 1 hour - 1 hour 59 minutes ☐ 2 hours - 2 hours 59 minutes

(2)

☐ 3 hours +