Edexcel GCSE

Mathematics (Linear) – 1380
Paper 3 (Non-Calculator)

Questionnaires

Past Paper Questions
Arranged by Topic

Materials required for examination	Items included with question papers
Ruler graduated in centimetres and millimetres, protractor, compasses, pen, HB pencil, eraser. Tracing paper may be used.	Nil

Instructions to Candidates

In the boxes above, write your centre number, candidate number, your surname, initials and signature.
Check that you have the correct question paper.
Answer ALL the questions. Write your answers in the spaces provided in this question paper.
You must NOT write on the formulae page.
Anything you write on the formulae page will gain NO credit.
If you need more space to complete your answer to any question, use additional answer sheets.

Information for Candidates

The marks for individual questions and the parts of questions are shown in round brackets: e.g. **(2)**.
There are 26 questions in this question paper. The total mark for this paper is 100.
There are 24 pages in this question paper. Any blank pages are indicated.
Calculators must not be used.

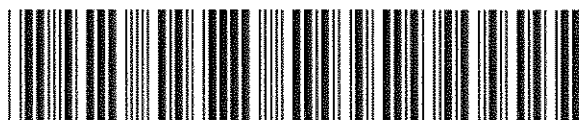## Advice to Candidates

Show all stages in any calculations.
Work steadily through the paper. Do not spend too long on one question.
If you cannot answer a question, leave it and attempt the next one.
Return at the end to those you have left out.

1. Simon wants to find out how much people spend using their mobile phone.

He uses this question on a questionnaire.

How much do you spend using your mobile phone?

☐ ☐ ☐

£1–£5   £5–£10   £10–£15

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

1 .....Overlapping (£1-5 then £5-10)......

2 .....No time limit......

(2)

(b) Design a better question for his questionnaire to find out how much people spend using their mobile phone.
You should include some response boxes.

How much do you spend using your mobile phone per month?

☐ ☐ ☐ ☐ ☐

None   £1-5   £5⁺-10   £10⁺-15   £15⁺ over

(2)

(Total 4 marks)

2. Fred is going to take a survey of the magazines read by students.

He wants to design a questionnaire.

(a) Design a suitable question that he could use to find out what types of magazine students read.

What type of magazines do you read ?

☐ None   ☐ Sports   ☐ Leisure   ☐ Science   ☐ Others .

(2)

Fred put the question below on his questionnaire.

'How many magazines have you read?'

☐   ☐

A few   A lot

(b) Design a better question.
   You should include some response boxes.

How many magazines do you read per month ?

☐ None   ☐ 1-3   ☐ 4-5   ☐ 5, over

(2)   **Q2**

(Total 4 marks)

3. Naomi wants to find out how often adults go to the cinema.

   She uses this question on a questionnaire.

   > "How many times do you go to the cinema?"
   >
   > ☐   ☐   ☐
   >
   > Not very often   Sometimes   A lot

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

   1 ..No time limit ....

   ....

   2 ..Not very specific...

   ....

   (2)

   (b) Design a better question for her questionnaire to find out how often adults go to the cinema.
   You should include some response boxes.

   How many times do you go to the cinema per month ?

   ☐   ☐   ☐   ☐

   None   1-2 times   3-5 times   5 times (over 5 times)

   (2)   Q3

   (Total 4 marks)

4. Anil wants to find out how many DVDs people buy.

He uses this question on a questionnaire.

How many DVDs do you buy?

☐	☐	☐	☐
1 – 5	5 – 10	10 – 15	15 – 20

Write down **two** different things wrong with this question.

1 ...... Overlapping amounts (1-5 / 5-10) ......

....

2 ... No time limit – (week / month ..) .

....

(Total 2 marks)

5. Sophie wants to find out the amount of time people exercise.
She will use a questionnaire.

(a) Design a suitable question for Sophie to use in her questionnaire.
You must include some response boxes.

How many times do you exercise per week?

☐ ☐ ☐ ☐
None   1 - 2   3 - 5   6+ (over)

(2)

Sophie asks the people at her swimming pool to complete her questionnaire.
This may **not** be a suitable sample.

(b) Give a reason why.

Sample not representative because of location (people already practising)

(1)   Q5

(Total 3 marks)