A

AQA

Surname _____

Other Names _____

Centre Number _____

Candidate Number _____

Candidate Signature _____
I declare this is my own work.

Functional Skills Level 2 MATHEMATICS

Paper 1 Non-Calculator

8362/1

Time allowed: 30 minutes

At the top of the page, write your surname and other names, your centre number, your candidate number and add your signature.
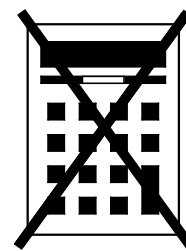
[Turn over]

For this paper you must have:
- mathematical instruments.

You must NOT use a calculator.

INSTRUCTIONS

- Use black ink or black ball-point pen. Draw diagrams in pencil.

- Answer ALL questions.

- You must answer the questions in the spaces provided. Do not write on blank pages.

- If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).

- Do all rough work in this book. Cross through any work you do not want to be marked.

- State the units of your answer where appropriate.

INFORMATION

- The marks for questions are shown in brackets.

- The maximum mark for this paper is 20.

- You may ask for more answer paper, graph paper and tracing paper. These must be tagged securely to this answer book.

ADVICE

In all calculations, show clearly how you work out your answer.

DO NOT TURN OVER UNTIL TOLD TO DO SO

SECTION A

Answer ALL questions in the spaces provided.

1 **Circle the LARGEST number.**
[1 mark]

0.756   **0.76**   **0.7**   **0.7516**

2 **Work out** $22 - (7 - 5)^3$ **[2 marks]**

_____

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Answer _____

3 Work out $\dfrac{5}{6} + \dfrac{1}{3}$ [2 marks]

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Answer _____

[Turn over]

4 **Work out   1.302 ÷ 6   [2 marks]**

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Answer _____

5 **Write in digits   twenty seven million, forty three thousand and sixty   [1 mark]**

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Answer _____

8

SECTION B

Answer ALL questions in the spaces provided.

6   CALL CENTRE

Troy works in a call centre.

[Turn over]

6 (a) **On Monday, Troy receives 15 phone calls.**

The table shows information about the length of the phone calls.

Time, t (minutes)	Frequency	Midpoint	
$0 \leqslant t < 10$	4	5	
$10 \leqslant t < 20$	3	15	
$20 \leqslant t < 30$	6	25	
$30 \leqslant t < 40$	2	35	
	Total = 15		

Troy has a target to keep the average length of his phone calls to 20 minutes or less.

Does the estimated mean time of these phone calls meet his target?
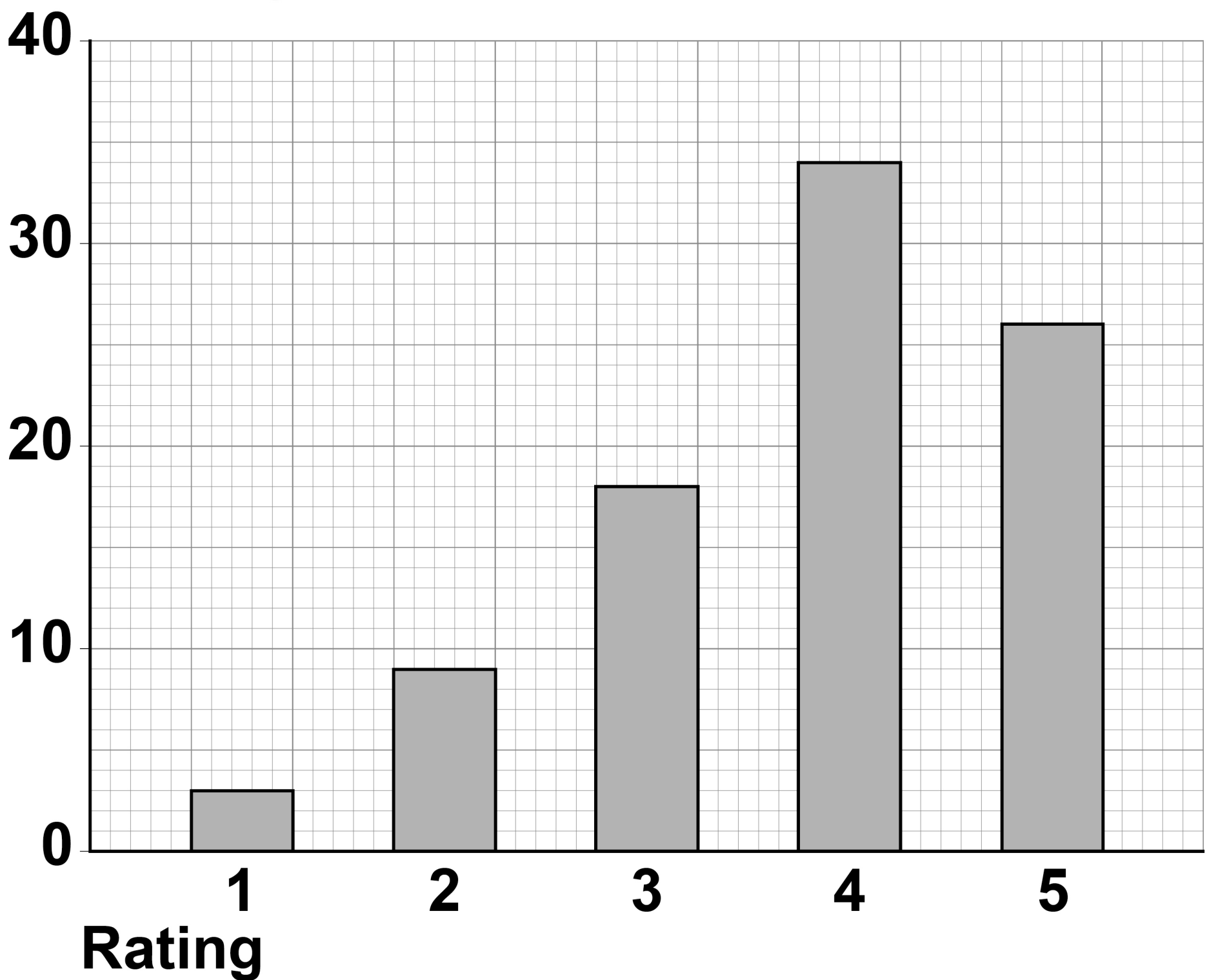
You MUST show your working.
[4 marks]

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6(b) **Customers are asked to rate their experience of the call centre from 1 to 5**

The chart shows some ratings.

Frequency

Rating

A rating of 1 or 2 is 'Poor'.

Work out the fraction of these ratings that were 'Poor'.

Give your answer in its simplest form. [4 marks]

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Answer _____

6 (c) One year, Troy is paid a salary of £20 370

That year, he pays Income Tax on this salary at the rate below.

Taxable income	Rate
Up to £12 570	0%
above £12 570	20%

Troy also pays £1296.24 in National Insurance.

Work out the TOTAL amount of Income Tax and National Insurance Troy pays that year. [4 marks]

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Answer £ _____

12

END OF QUESTIONS

**Additional page, if required.
Write the question numbers in the
left-hand margin.**

Additional page, if required.
Write the question numbers in the
left-hand margin.

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