

Please write clearly in block capitals.

Centre number

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Candidate number

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Surname

Forename(s)

Candidate signature

I declare this is my own work.

GCSE MATHEMATICS

F/H

Paper 1 Non-Calculator Common Questions

November 2024

Materials

For this paper you must have:

- mathematical instruments
- the Formulae Sheet (enclosed).



You must **not** use a calculator.

Instructions

- Use black ink or black ball-point pen. Draw diagrams in pencil.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or 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.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 23.
- 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.

For Examiner's Use

Pages	Mark
2–3	
4–5	
6–7	
TOTAL	

Answer **all** questions in the spaces provided.

1
F19
H1

Work out the value of 1.5^2

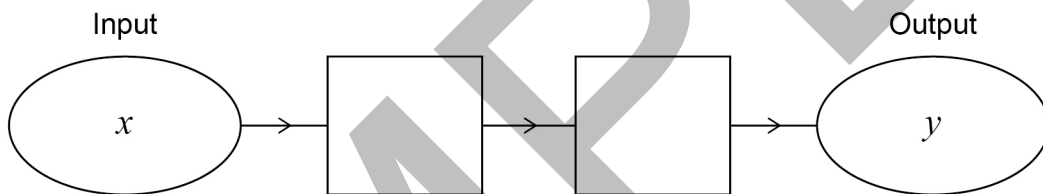
[2 marks]

Answer _____

2 (a)
F20
H2

Complete this number machine so that $y = 4x + 5$

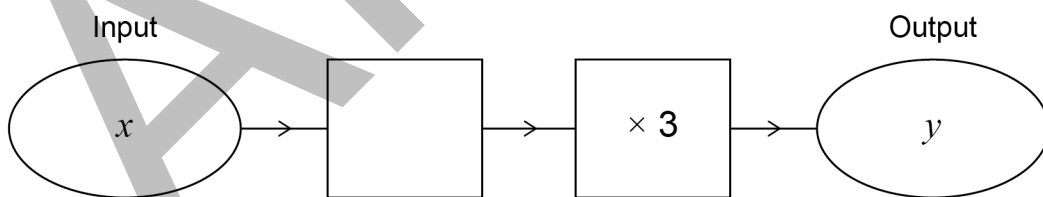
[1 mark]



2 (b)

Complete this number machine so that $y = 3x - 24$

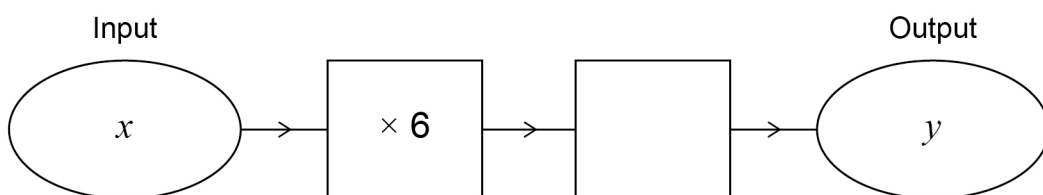
[1 mark]



2 (c)

Complete this number machine so that $y = x$

[1 mark]



3
F21
H3

Each number in a list is increased by 10

Tick **one** box for each statement.

[3 marks]

	True	False	Cannot tell
The mode is increased by 10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The median is increased by 10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The range is increased by 10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4 (a)
F22
H4

Write the missing term in the geometric progression.

[1 mark]

1 4 16 _____ 256

4 (b) A Fibonacci-type sequence begins

5 -9

The sequence is continued by adding the previous two terms.

Work out the next **two** terms.

[2 marks]

Answer _____ and _____