# MME

## GCSE MATHEMATICS

### **Function Machines**

Please write clearly in block capitals

Forename:

Surname:

#### Materials

For this paper you must have:

mathematical instruments

You can use a calculator.



#### Instructions

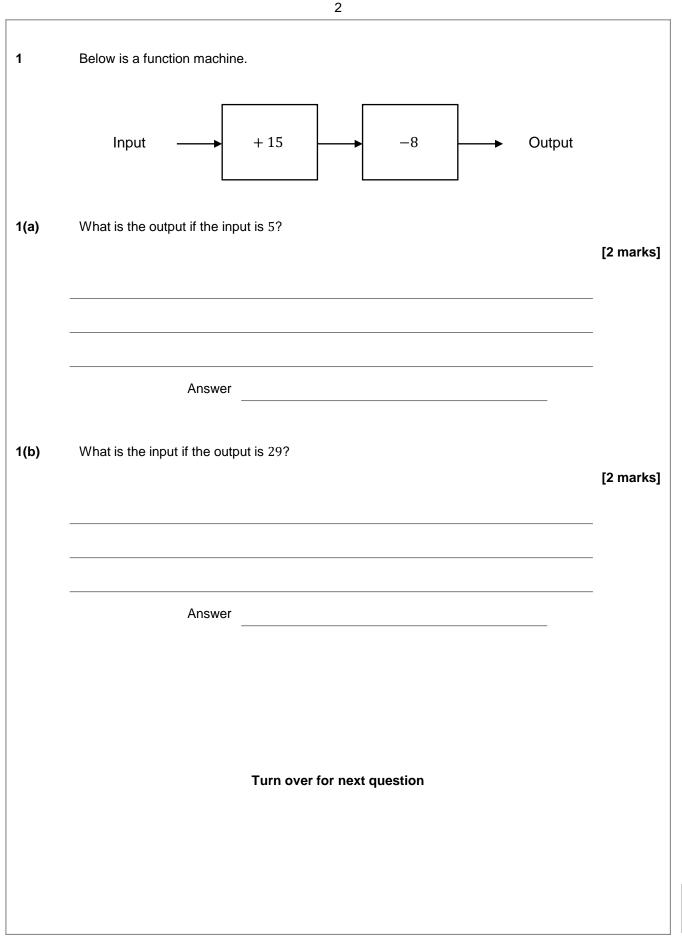
- Use black ink or black ball-point pen. Draw diagrams in pencil.
- Fill in the boxes at the top of this page.
- Answer all questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

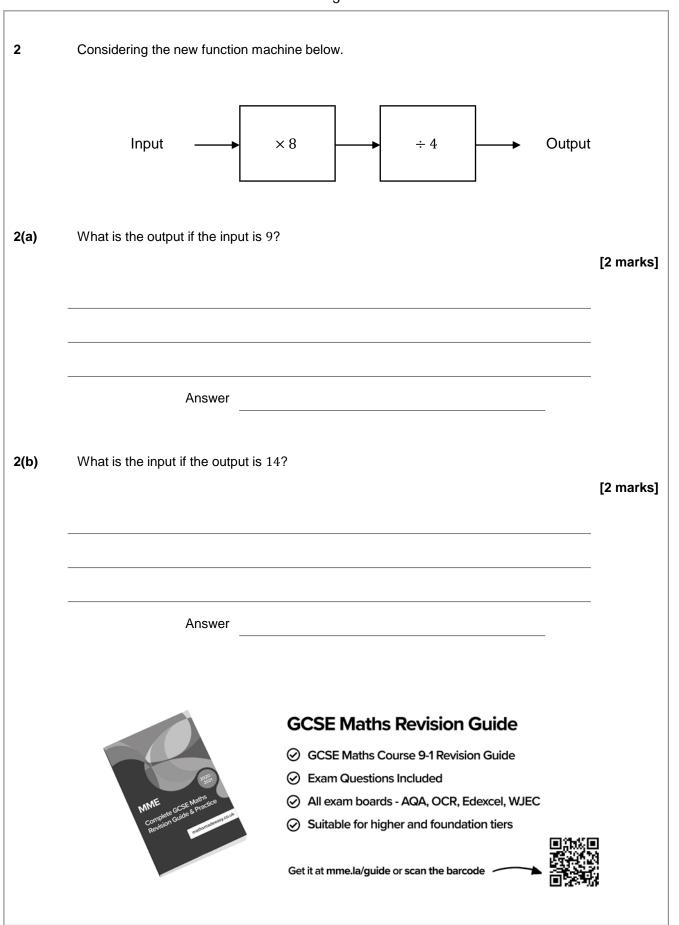
#### Information

- · The marks for questions are shown in brackets.
- You may ask for graph paper, tracing paper and more answer paper. These must be tagged securely to this answer book.

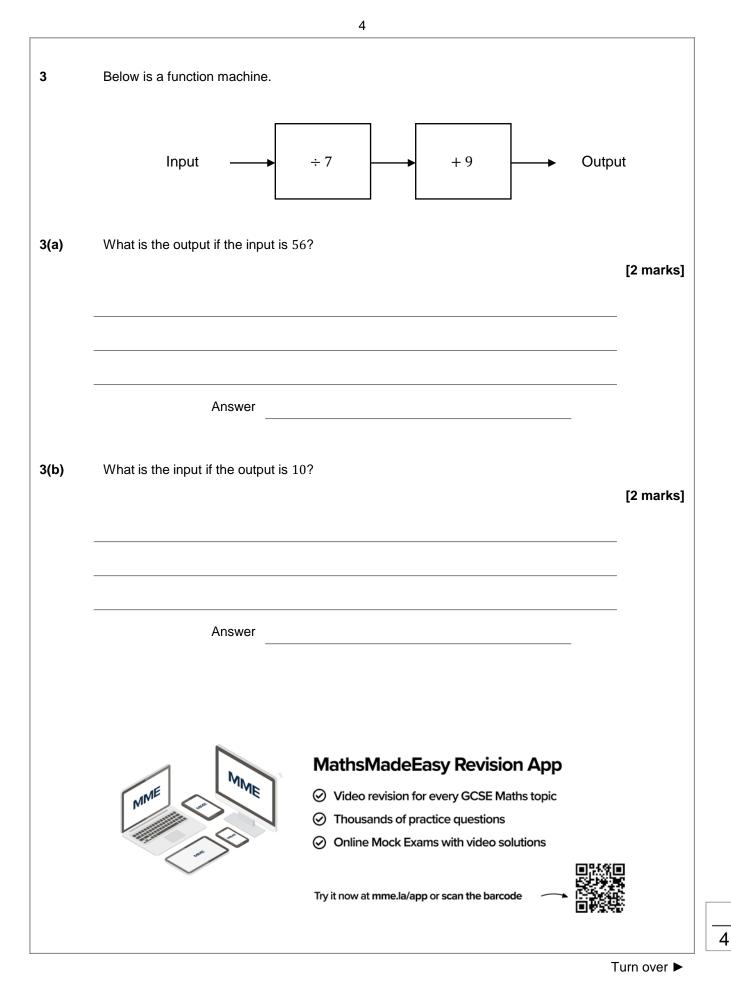
#### Advice

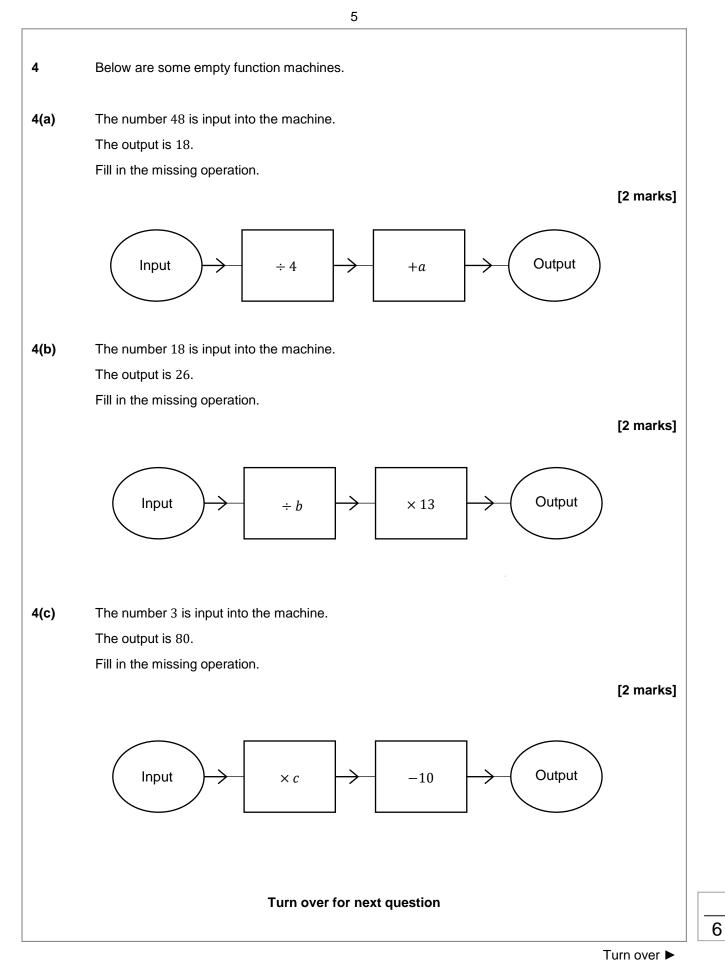
· In all calculations, show clearly how you work out your answer.

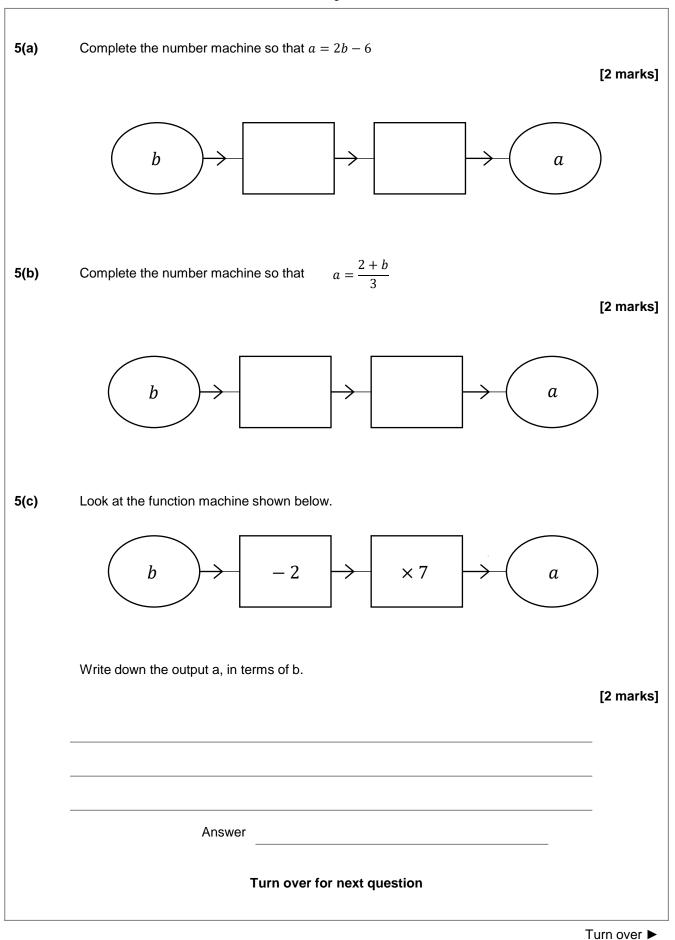




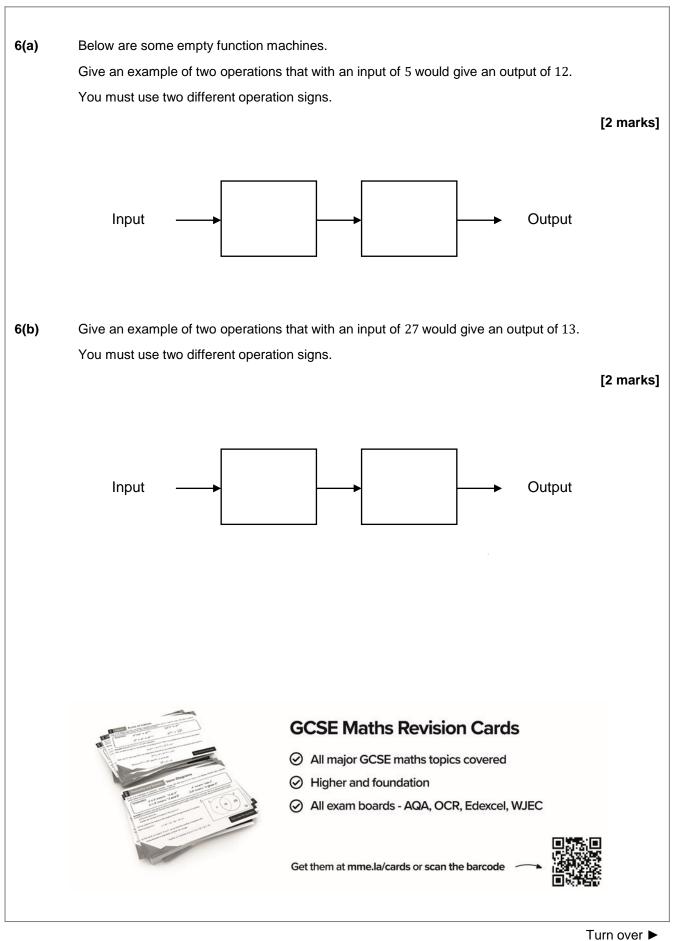
Turn over ►







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	8	
7	Below is a function machine.	
	Input $\longrightarrow$ $\times 6$ $-15$ Output	
7(a)	The number $x$ is put through the machine. The result is $3x$ . What is $x$ ?	
		[3 marks]
	Answer	
7(b)	The number $x$ is put through the same machine. The result is $5x$ .	
	What is <i>x</i> ?	[3 marks]
	Answer	
	End of questions	
		END