

Please write clearly in	n block capitals.	
Centre number	Candidate number]
Surname		_
Forename(s)		
Candidate signature		_
	I declare this is my own work.	

Functional Skills Level 1 MATHEMATICS

Paper 2 Calculator

Monday 13 January 2020

Afternoon

Time allowed: 1 hour 30 minutes

Materials

For this paper you must have:

- a calculator
- mathematical instruments.

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 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.
- State the units of your answer where appropriate.

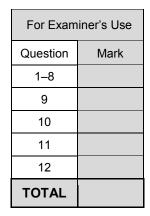
Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 60.
- You may ask for more answer paper, graph paper and tracing paper. These must be tagged securely to this answer book.

Advice

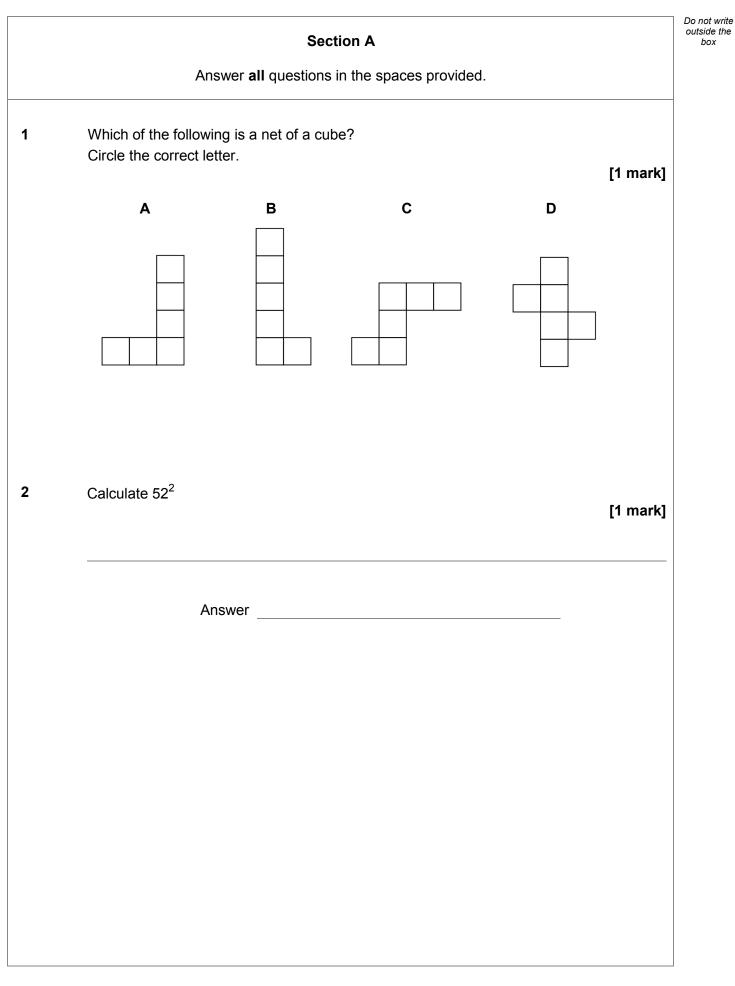
In all calculations, show clearly how you work out your answer.



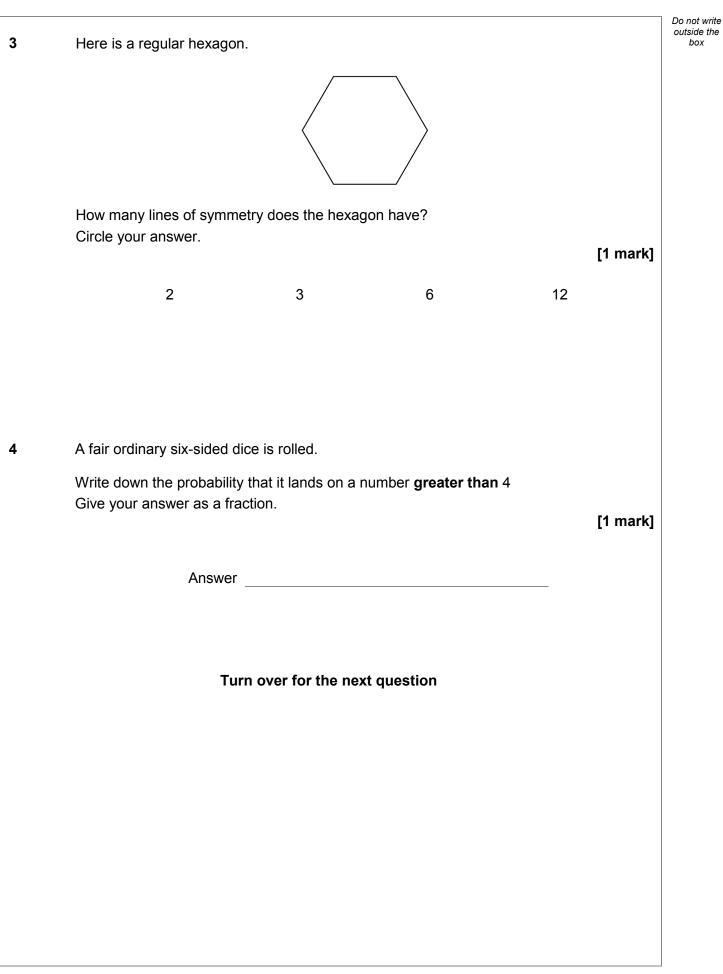


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			Do not write outside the
5	Measure the size of angle <i>x</i> .	F4	box
		[1 mark]	
	\mathbf{X}		
	$\begin{pmatrix} x \end{pmatrix}$		
	Answer	0	
6	Work out the number of minutes in 7 days		
0	Work out the number of minutes in 7 days.	[2 marks]	
	Answer		



Mrita thaca f	iractiona in order	otorting with	o tho omo	lloot		
	ractions in order		n the sma	nest.		
<u>/</u> 10	$\frac{3}{4}$	$\frac{2}{3}$				
10	·	0				[2 marks]
	smalle	est				
	laroe	est				
	large					
Here are sev	ven numbers.					
4	12 10	13	4	6	14	
Work out the						
						[3 marks]
	Answer					_ [



box

Section B Answer all questions in the spaces provided.

Hotel 9

Vikki and Zach work part-time in a hotel.

9 (a) Vikki works on the reception desk. Her normal rate of pay is £9.65 per hour. She is paid double for working on a bank holiday. One week she works for 30 hours in total. 26 of these hours are at her normal rate of pay.

The other hours are on a bank holiday.

Work out her total pay for the week.

[4 marks]

Answer £_____



Question 9	9 continues on the next page	
Answer £		
		- •
How much money does he give	ive to Vikki?	[3 marks]
He gives the rest to Vikki.		
He keeps 85% of this money.	-	
Zach gets £23.80 in tips from	nquests	
Was he paid more than £90 fo You must show your working		[3 marks]
	to 2 pm	
Thursday 3 pm to	to 6 pm	
Monday 5 pm to	to 9 pm	
Here are the hours he worked	d one week.	
He is paid £8.10 per hour.		
	e to their rooms.	
He takes the He is paid £8	.10 per hour.	guests' luggage to their rooms. .10 per hour.



Turn over ►

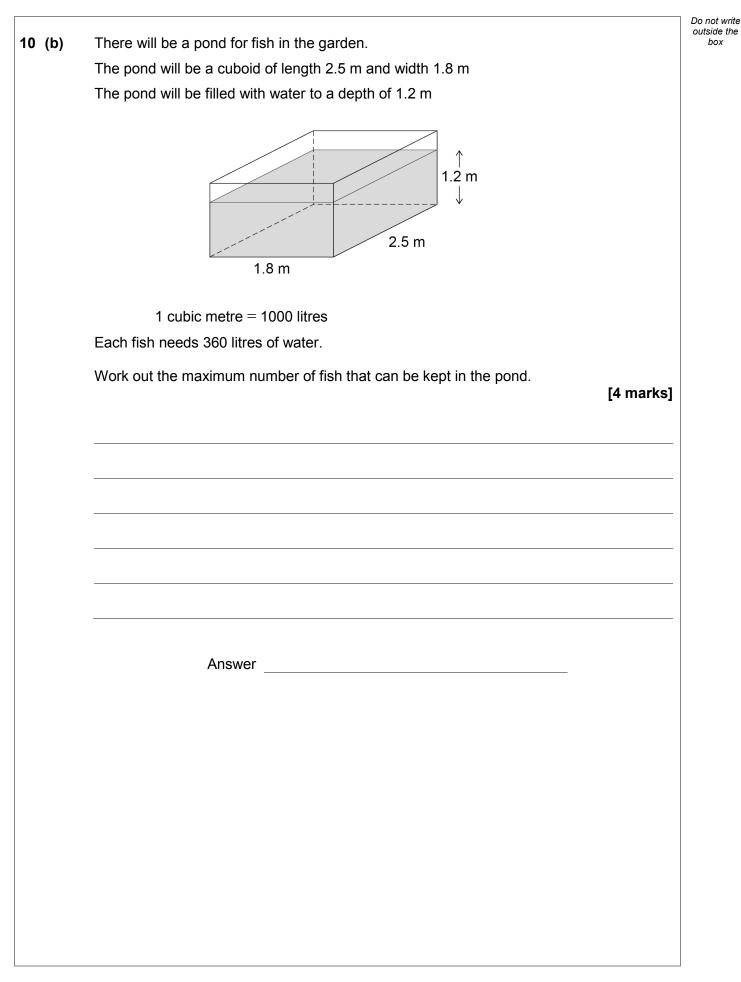
Do not write outside the box

9 (d)	Zach wants to save £185 to buy a keyboard.	Do not write outside the box
	He saves £35 each week.	
	How many weeks does it take him to save enough money to buy the keyboard?	
	[3 marks]	
	Answer	13
		1

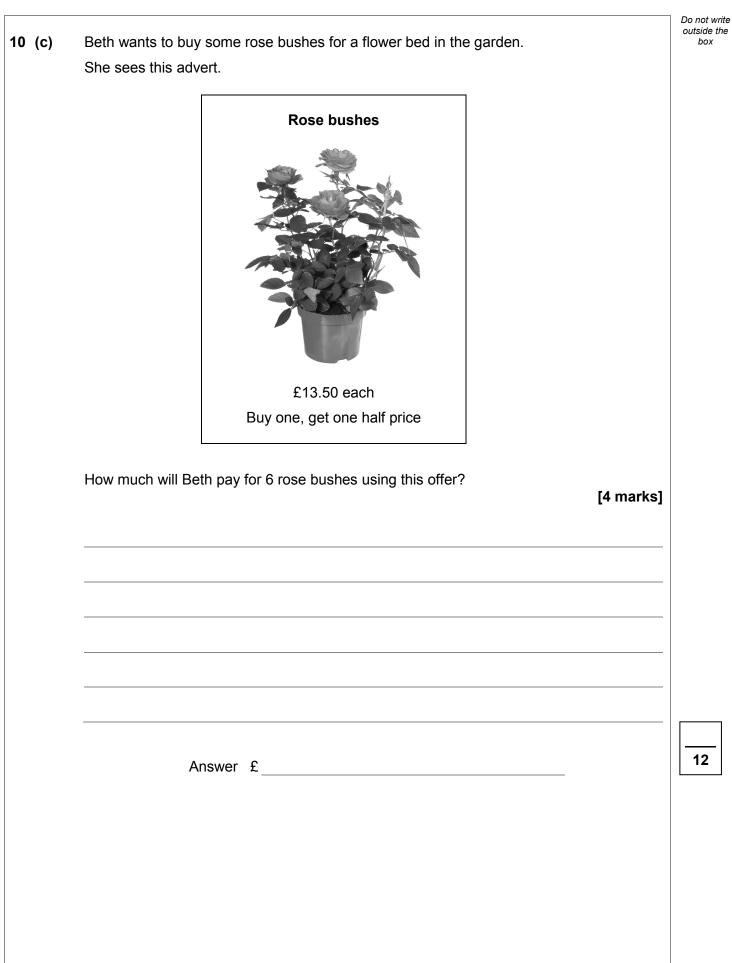


10	Gardener	Do not write outside the box
	Beth is a gardener.	
	Here is a sketch of a rectangular garden she is designing.	
	Not drawn accurately 7.2 m	
	15 m	
10 (a)	Beth wants to cover one third of the area of the garden with lawn turf. Lawn turf costs £2.75 per square metre. It can be cut to fit any area.	
	Work out the cost of the lawn turf she will need. [4 marks]	
	Answer £	
	Question 10 continues on the next page	











11	Concert	Do not write outside the box
	Anya is organising an outdoor concert.	
11 (a)	Anya is planning where to put refreshment stalls.	
	There will be	
	3 rectangular food stalls, each measuring 6 m by 2 m	
	2 square food stalls, each measuring 4 m by 4 m	
	1 rectangular drinks stall measuring 6 m by 3 m	
	There must be at least 2 m of space between stalls.	
	The centimetre grid represents a scale drawing of the area she can use.	
	On the grid, 1 cm represents 2 m	
	Draw a possible plan for the stalls on the centimetre grid. [4 marks]	
	Scale: 1 cm represents 2 m	



11 (b)	Tickets to the concert will cost £55		Do not write outside the box
	There is an early booking discount of 20%		507
	Work out the total cost of 3 tickets using the early booking discount.	[4 marks]	
		[+	
	Answer £		
		_	
44 (-)	The concert will start at 7.20 pm		
11 (c)	The concert will start at 7.30 pm		
	Anya wants to know when to open the gates to let people in. She wants to allow at least		
	30 minutes to check tickets		
	and then		
	40 minutes for people to buy food and drinks.		
	What is the latest time the gates should open?	[3 marks]	
	Annuar		11
	Answer		



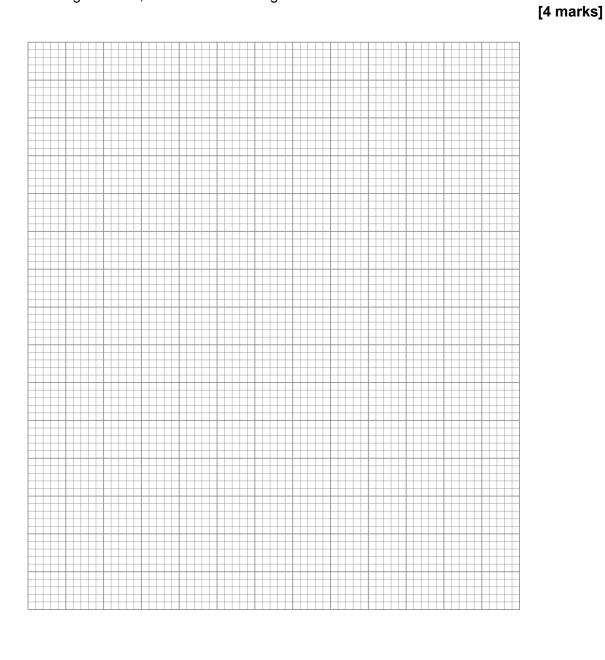
12 Holiday

Jack is planning a holiday to Turkey.

12 (a) He finds this information about average temperatures in Turkey.

Month	Apr	Мау	June	July	Aug	Sep
Temperature (°C)	16	20	25	28	27	24

On the grid below, draw a suitable diagram to show this information.





Do not write outside the box

	Price per person for half board					
Date of travel to Turkey	7 nights	10 nights	14 nights			
1 to 10 July	£489	£630	£758			
11 to 18 July	£515	£642	£760			
19 to 31 July	£648	£816	£937			
Upgrade to All Inc	lusive for £2	1.50 per perse	on per night			

Jack wants to travel on 12 July and stay for 14 nights. He has £1100 to pay for the holiday.

Can he afford to upgrade to All Inclusive for all 14 nights? You **must** show your working.

[4 marks]

Do not write outside the

box

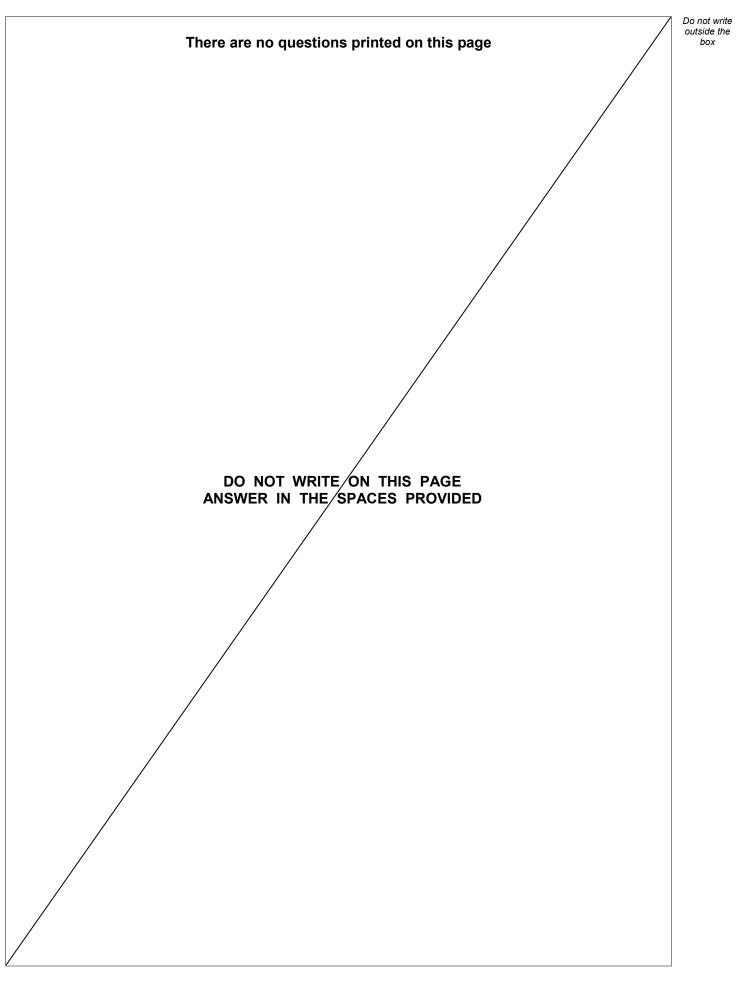
Question 12 continues on the next page



Turn over ►

<pre>£1 = 7.38 Turkish lira Jack says,</pre>	Work out the number of pounds Jack will need to exchange for Turkish lira. Give your answer correct to the nearest pound. [2 mark]
Jack says, "I want 6500 Turkish lira to take on holiday." Work out the number of pounds Jack will need to exchange for Turkish lira. Give your answer correct to the nearest pound. [2 marks [2 marks []	Jack says, "I want 6500 Turkish lira to take on holiday." Work out the number of pounds Jack will need to exchange for Turkish lira. Give your answer correct to the nearest pound. [2 mark
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Less than 1 hour 13 1 hour to 3 hours 8	Less than 1 hour 13 1 hour to 3 hours 8
1 hour to 3 hours 8	1 hour to 3 hours 8
More than 3 hours 3	More than 3 hours 3
	Use the data in the table.
	[2 mark







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