

OXFORD AQA INTERNATIONAL GCSE MATHEMATICS CORE

PAPER 1C (9260/1C)

Specimen 2018

Candidate signature

Morning

Time allowed: 1 hour 30 minutes

Materials

For this paper you must have:

- a calculator
- mathematical instruments.



Instructions

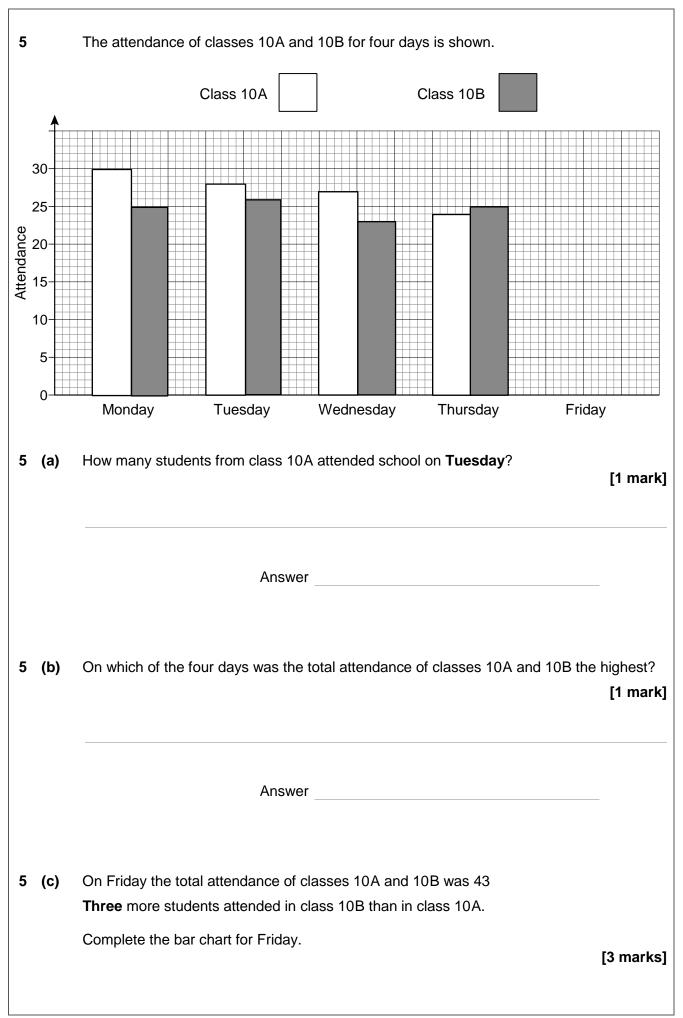
- Use black ink or black ball-point pen. Draw diagrams in pencil.
- Fill in the boxes at the top of this page.
- Answer all questions.
- You must answer the questions in the space provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through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

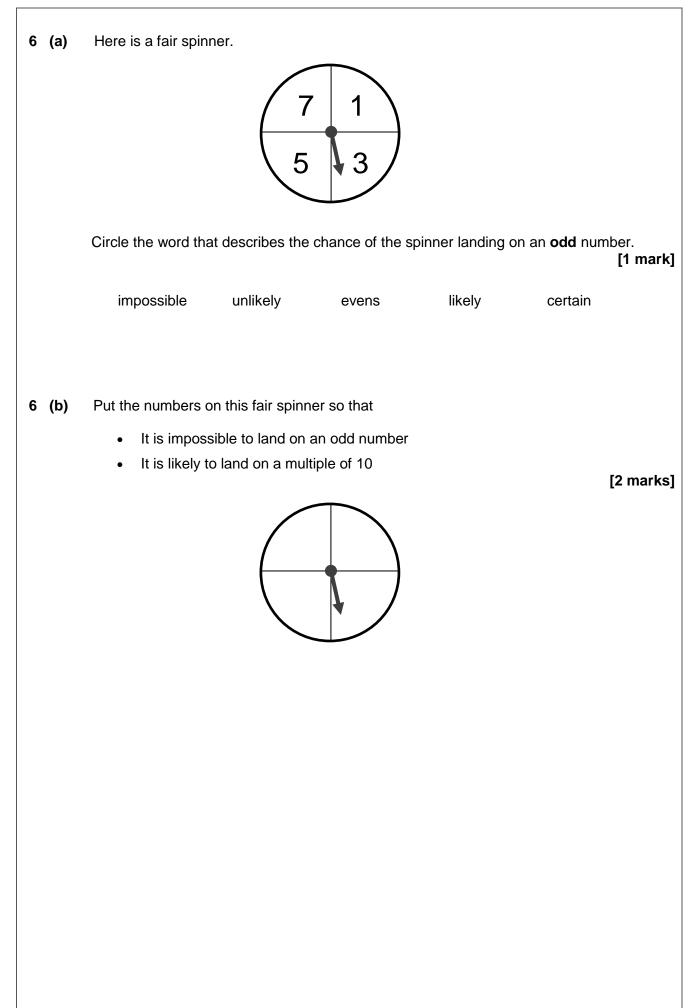
Information

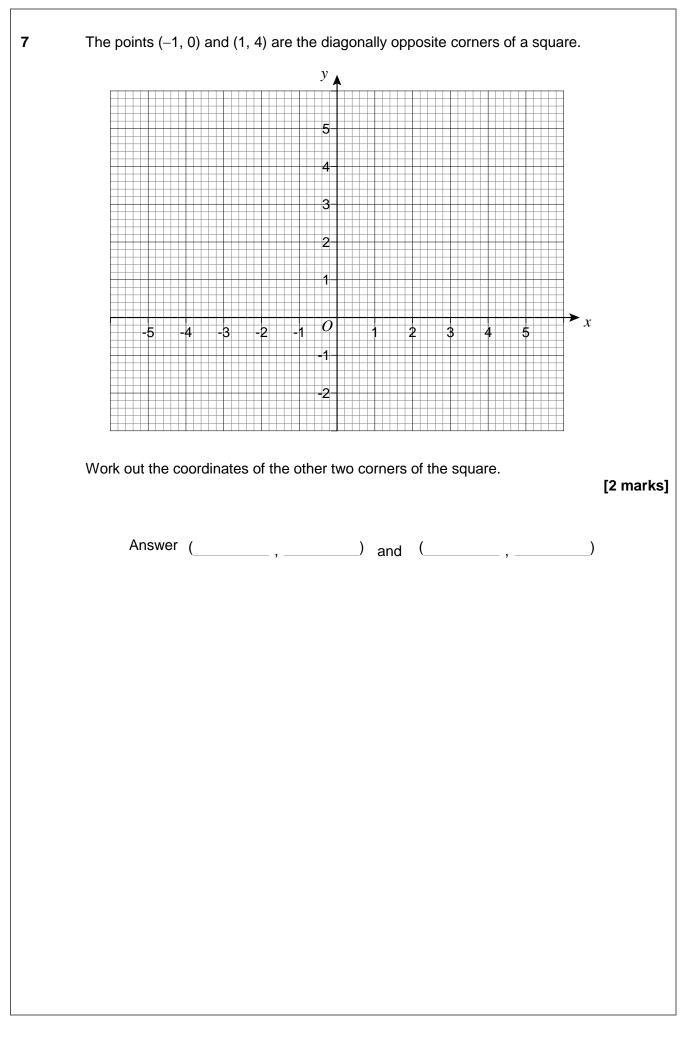
- The marks for questions are shown in brackets.
- The maximum mark for this paper is 80
- You may ask for more answer paper, graph paper and tracing paper. These must be tagged securely to this answer booklet.

		Answ	ver all questio	ons in the sp	aces provide	d.		
1	How man Circle you		e there in 2.5	5 kilograms?				[1 mark]
	0.0	0025	250		2005		2500	
2	Here are s	even numl	pers.					
	13	6	12	7	6	4	8	
2 (a)	Work out t Circle you		f the seven r	numbers.				[1 mark]
	5		6	7	8		9	
2 (b)	What is the Circle you		the seven nu	mbers?				[1 mark]
	5		6	7	8		9	

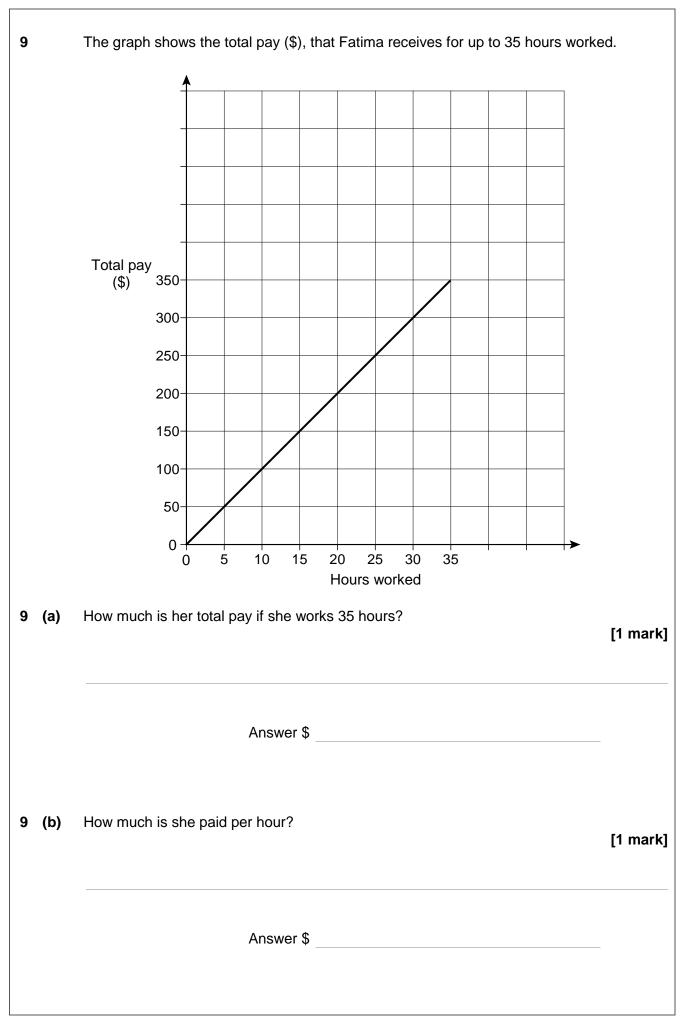
3	Circle the p	percenta	ge that is	more t	han <mark>1</mark> a	and less th	$an \frac{1}{2}$		[1 mark]
	159	%	20%		35%)	55%	60%	
4	The numb	ers 1 to ²	12 are to	be put i	in a grid.				
	The position								
		2			8				
		12							
		6							
				3	7				
	Each of the	e four sid	des of the	e arid m	ust add	up to 25			
	Complete					-			
					9, 10 ar	nd 11			[3 marks]
									[o marko]



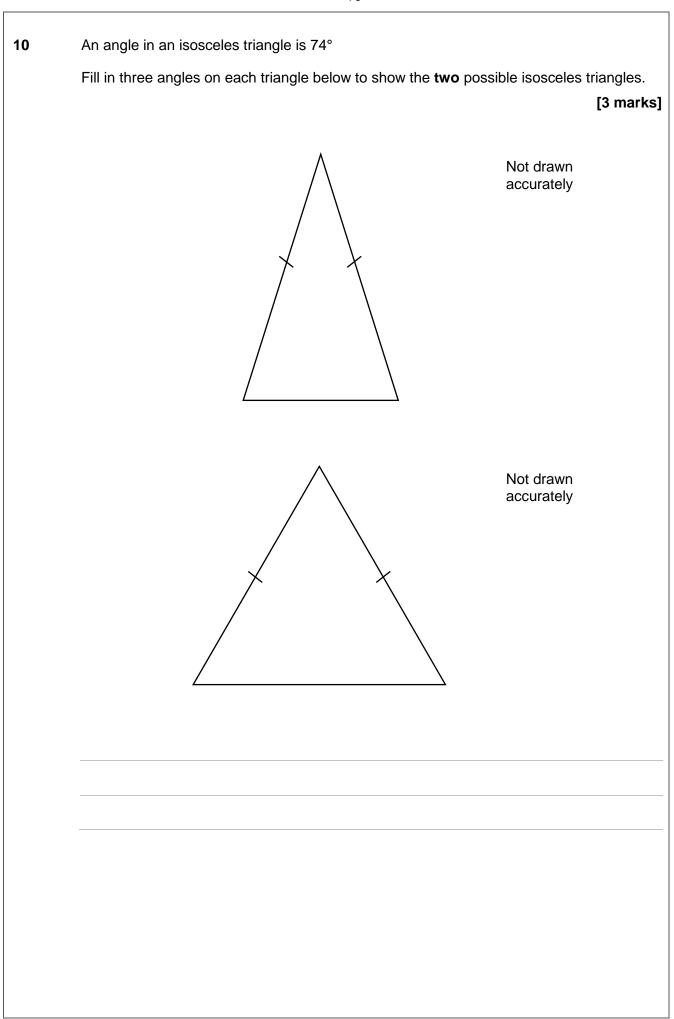


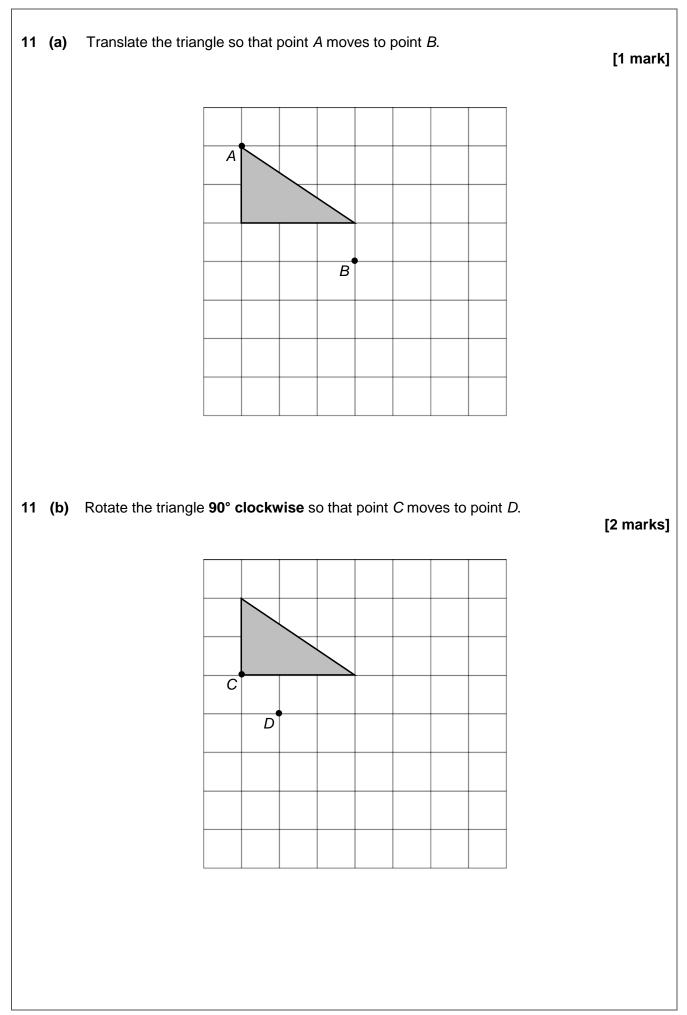


8	156 men and 180 women were asked if they drive to work. $\frac{1}{3}$ of the men said yes. $\frac{1}{4}$ of the women said yes. What fraction of the people said yes?	[4 marks]
	Answer Turn over for the next question	



9 (c)	She is paid \$20 per hour for each hour she works above 35 hours. Continue the graph up to 45 hours worked. You must complete the scales on the axes.	[4 marks]
	Turn over for the next question	

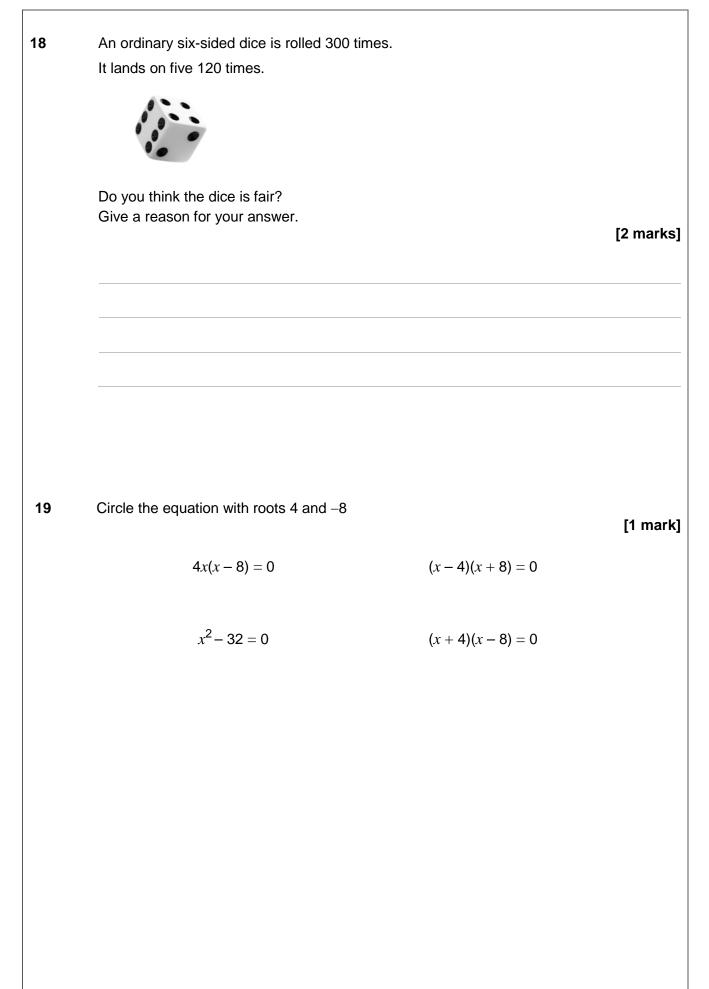




12	There are 30 passengers on a bus. 13 of them are male . At the next stop 8 people get off the bus and nobody gets on. The probability that a passenger, picked at random, is male is now $\frac{1}{2}$				
	How many females got	off the bus?			[3 marks]
		Answer			
13	You are given that <i>p</i> Which one of the followi Circle your answer.				[1 mark]
	<i>m</i> = <i>p</i> + 5	<i>m</i> + <i>p</i> = 5	<i>m</i> = 5 – <i>p</i>	<i>m</i> = <i>p</i> – 5	
14	Circle the expression eq	uivalent to $x^3 + $	6 <i>x</i>		[1 mark]
	<i>x</i> (<i>x</i> + 6)	$x^{2}(x+6)$	$x(x^2 + 6)$	$x(x^2+6x)$	

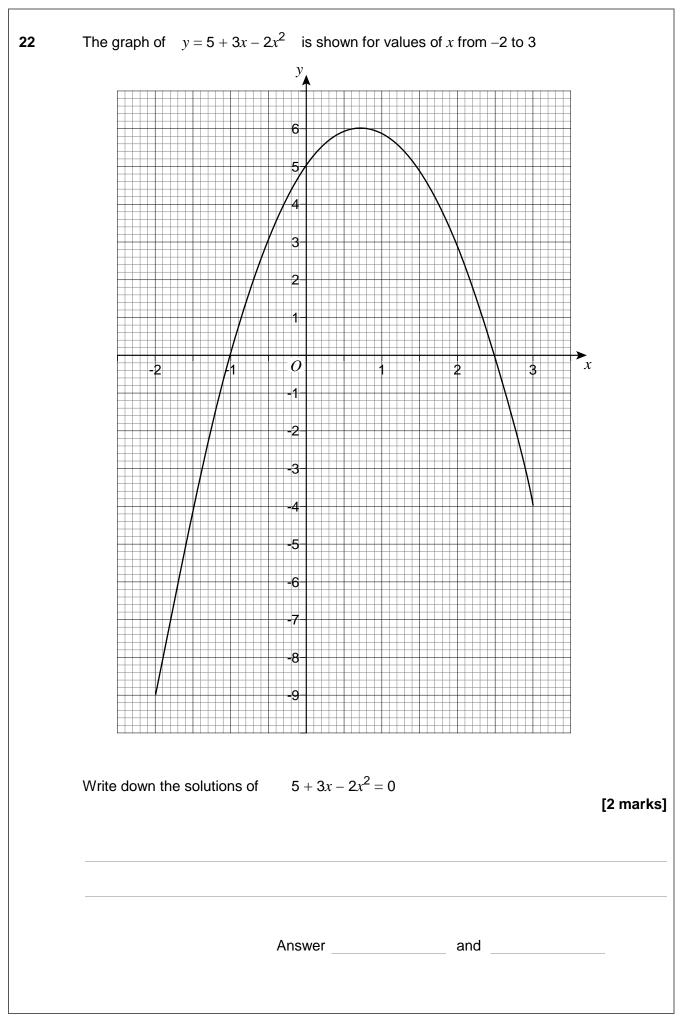
15	Here is a number machine.	
	$ \begin{array}{c} \text{Input} & \text{Output} \\ \hline \\ $	
15 (a)	What is the output when the input is 5?	[1 mark]
	Answer	
15 (b)	What is the input when the output is 0?	[1 mark]
	Answer	
15 (c)	The output number equals the input number.	
	Work out the input number.	[2 marsk]
	Answer	

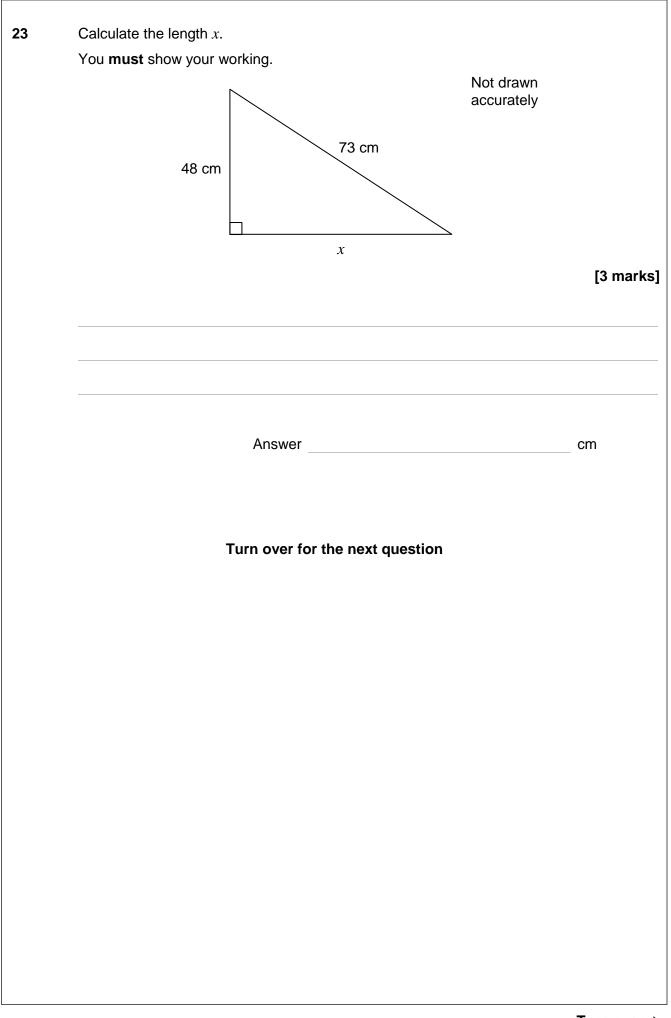
Complete	the table.		[2 mark
	Distance travelled	Time taken	Average speed
Α	32 miles		64 mph
В		1 hour 20 minutes	42 mph
The perim Two of the Work out	ingle has an area of 48 cm neter is 32 cm	ner.	drawn ourately Not drawn accurately [4 mark

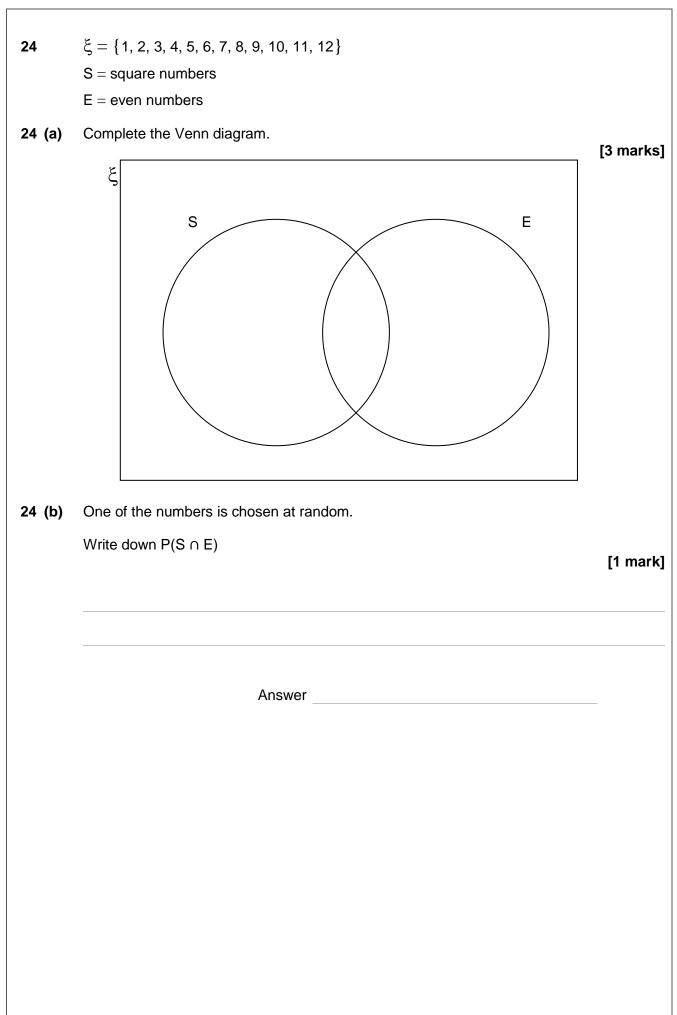


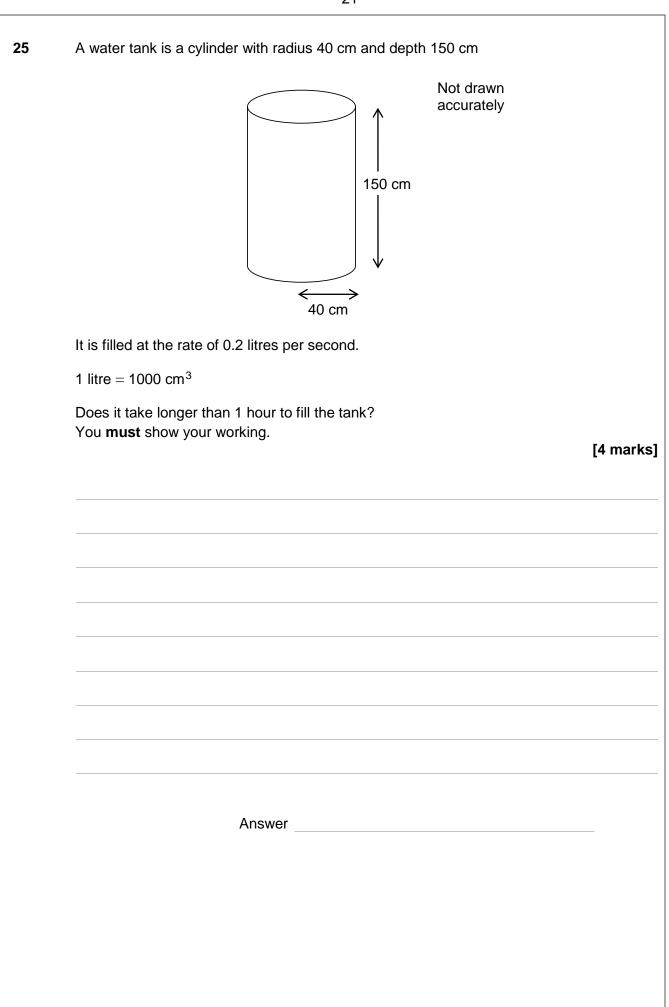
Solve 5(x + 4) = 3(x + 7) + 220 [4 marks] *x* =

21 21 (a)	Written as the product of its prime factors $672 = 2^5 \times 3 \times 7$ Write 252 as the product of its prime factors.	[2 marks]
	Answer	
21 (b)	Work out the value of the highest common factor of 672 and 252	[1 mark]
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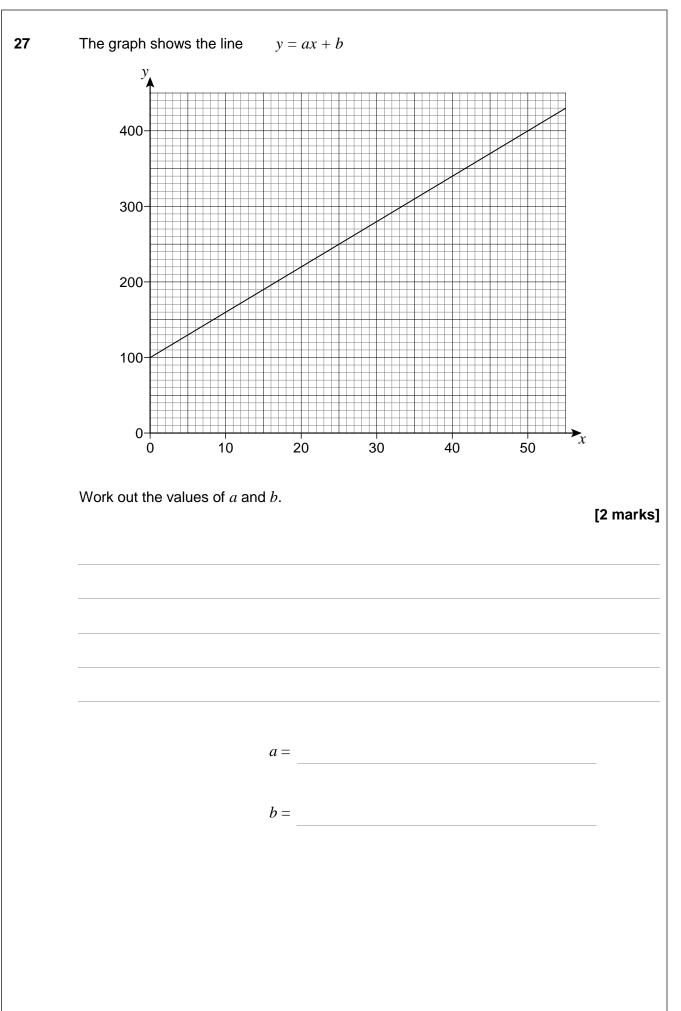








26 (a)	Use your calculator to work out $19.42^2 - \sqrt[3]{1006} \div 4.95$ Write down your full calculator display.	[1 mark]
26 (b)	Use approximations to check your answer to part (a) is sensible. You must show your working.	[2 marks]



28	White paint costs \$2.80 per litre. Blue paint costs \$3.50 per litre. White paint and blue paint are mixed in the ratio 3 : 2	
	Work out the cost of 20 litres of the mixture.	[4 marks]
	Answer \$	_
	END OF QUESTIONS.	

