

Please write clearly, in block capitals.									
Centre number		Candidate number							
Surname									
Forename(s)									
Candidate signature									

OXFORD AQA INTERNATIONAL GCSE MATHEMATICS CORE

PAPER 2C (9260/2C)

Specimen 2018

Morning

Time allowed: 1 hour 30 minutes

Materials

For this paper you must have:

- a calculator
- mathematical instruments.



Instructions

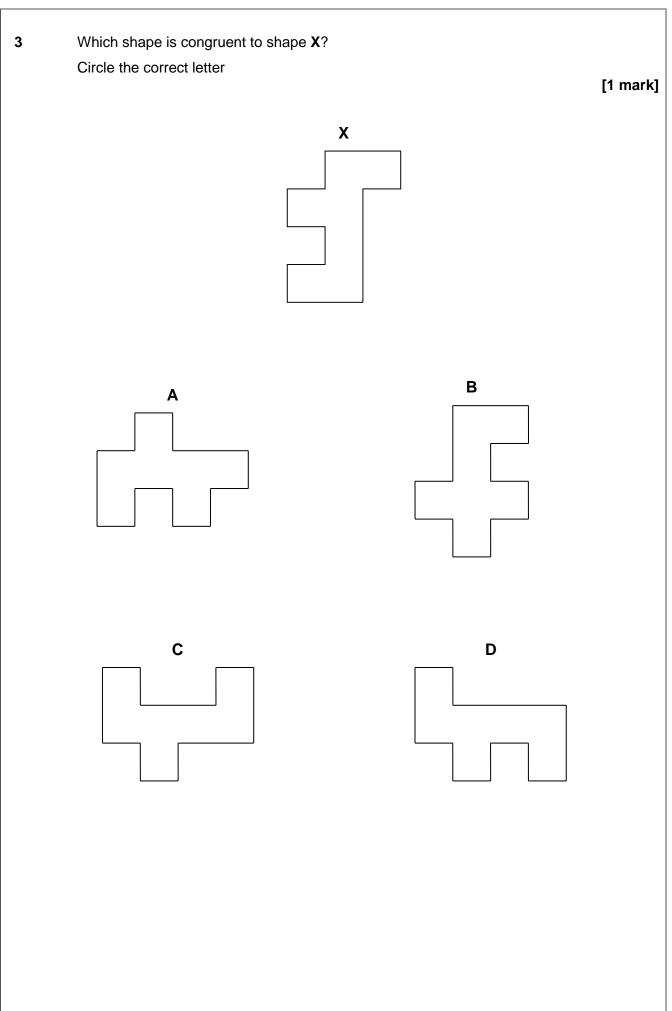
- Use black ink or black ball-point pen. Draw diagrams in pencil.
- Fill in the boxes at the bottom of this page.
- Answer all questions.
- You must answer the questions in the space provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through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

Information

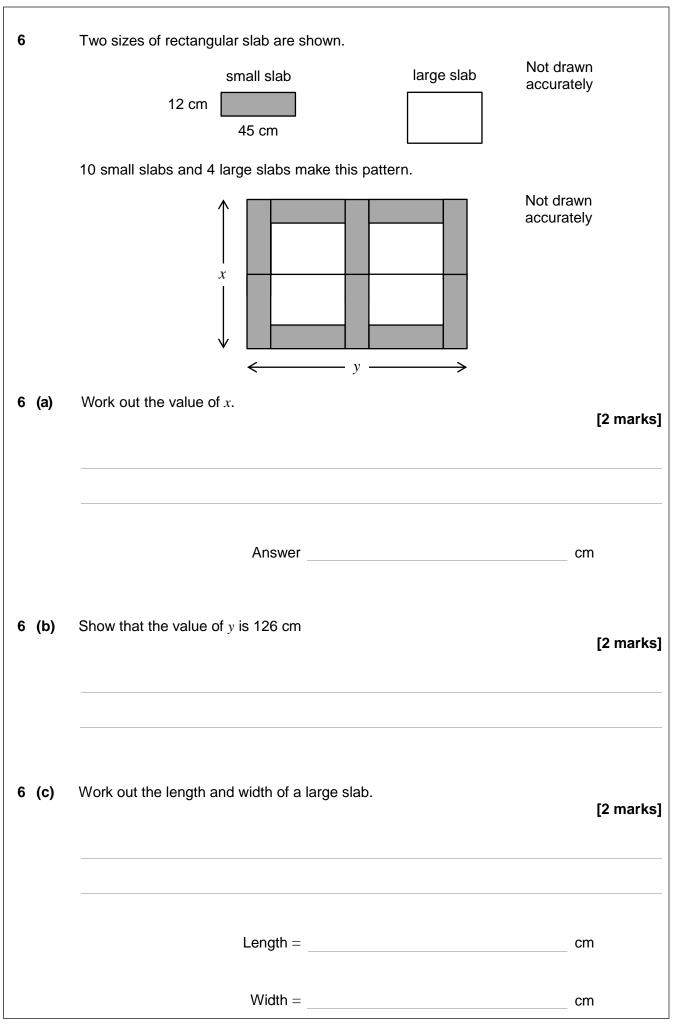
- The marks for questions are shown in brackets.
- The maximum mark for this paper is 80
- You may ask for more answer paper, graph paper and tracing paper. These must be tagged securely to this answer booklet.

	Answe	r all questions in th	ne spaces provided.		
1	Simplify $5a - 2a + 6$	6			
	Circle your answer.				[1 mark]
	3 <i>a</i> + 6	9 <i>a</i>	7 <i>a</i> + 6	3 <i>a</i> – 6	
2	Which of these can be	written as $\frac{a}{b}$?			
	Circle your answer.				[1 mark]
	$b \div a$	a – b	$a \div b$	b-a	

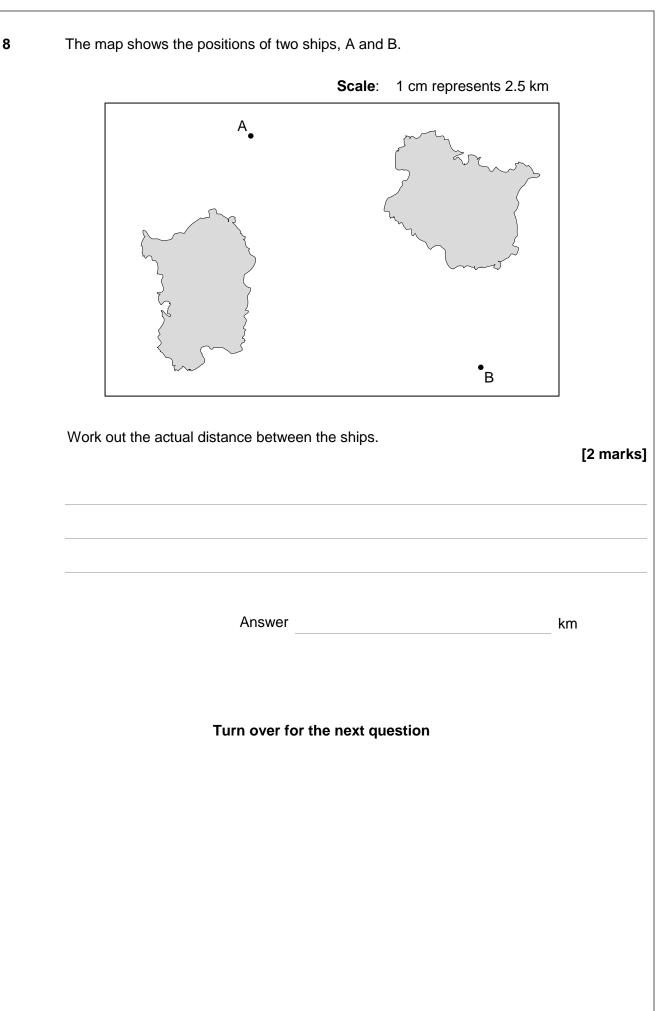
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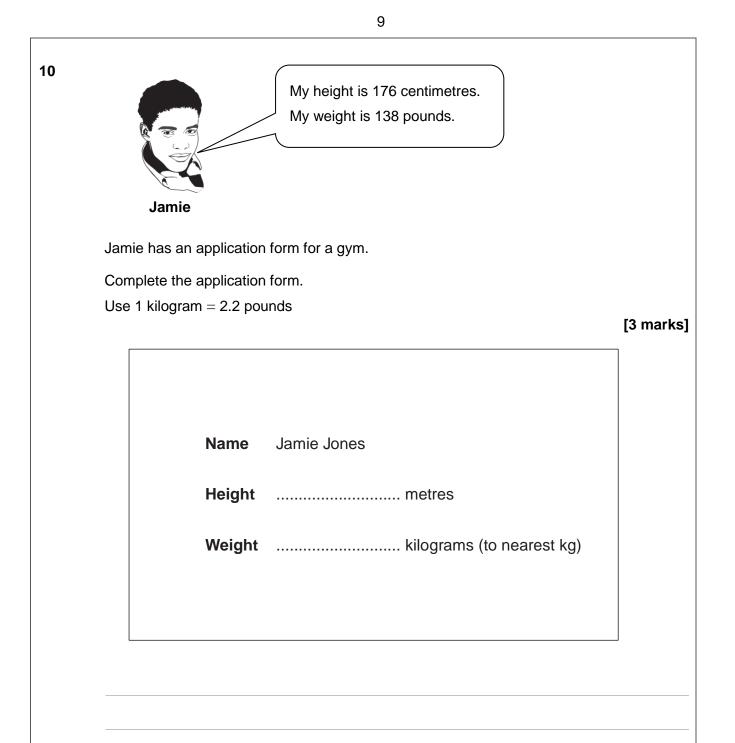
4	Which of these is a cube r Circle your answer.	number?			[1 mark]
	3	9	27	100	
5 (a)	Solve <i>w</i> – 11 = 24				[1 mark]
		w =			
5 (b)	Write an expression for the x jumpers at \$15 each and y shirts at \$12 each.		dollars, of	I	[2 marks]
		Answer			
5 (c)	Simplify $x + x + y \times y$				2 marks]
		Answer			



Liz buys a ca	r for \$7500	
She pays	a deposit of \$1875	
She pays	the rest in 36 equal monthly payments.	
Work out the	amount of each monthly payment.	[3 n
	Answer \$	



9	Alice makes cards. Each card uses 42 cm of ribbon. She has 1000 cm of ribbon.		
9 (a)	Work out the maximum number of ca		[2 marks]
	Answer		
9 (b)	How much ribbon will be left over?		[1 mark]
	Answer	cm	



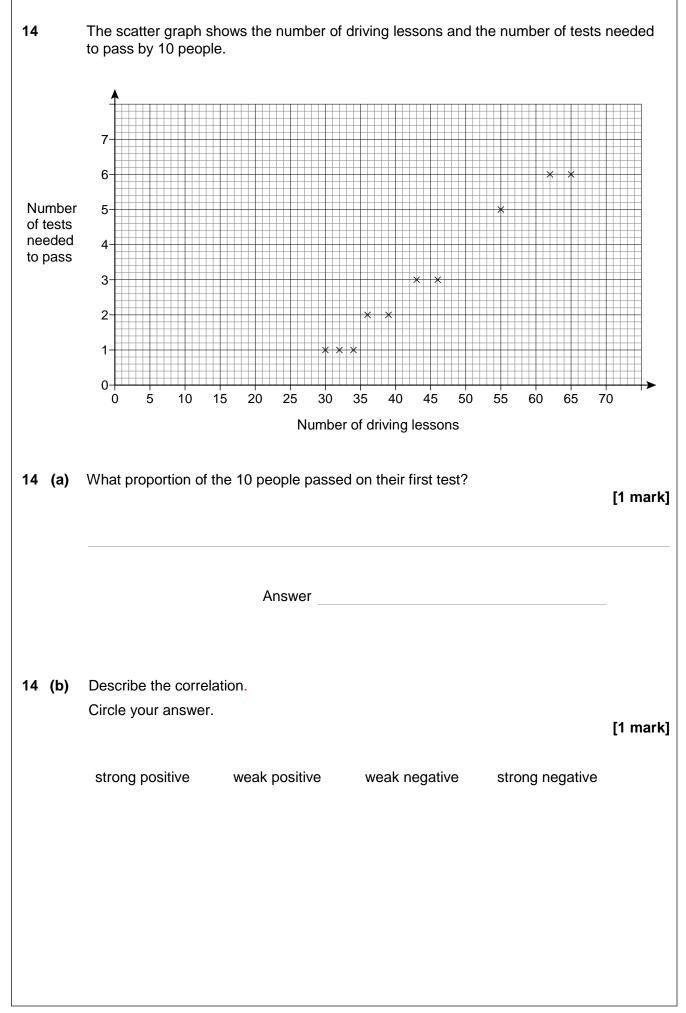
Turn over for the next question

11 (a)	DVDs \$5 each Buy 2 get 1 free
	How many DVDs do you get for \$35? [3 marks]
	Answer

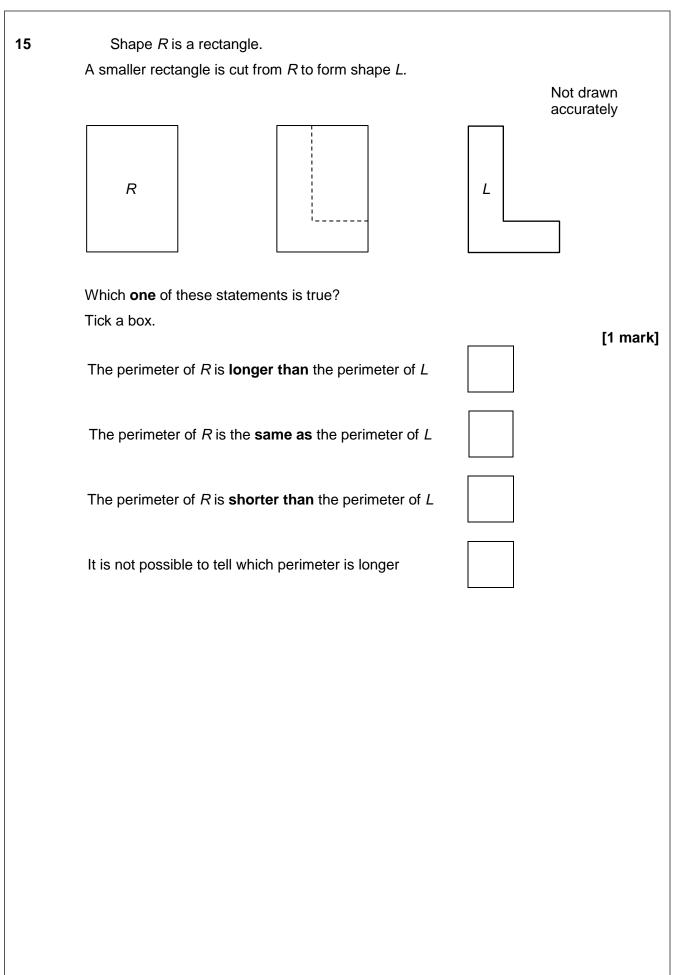
11 (b)	The pictogram s The key is missi		e informat	ion about	DVDs.			
	Comedy	0	0	0	0	0		
	Action	0	0	0	C			
	Romance	0	0					
	Sport	0	0					
	The total numbe	er of DVDs	is 260					
	Work out the number of Sport DVDs.							[4 marks]
		A	nswer					_

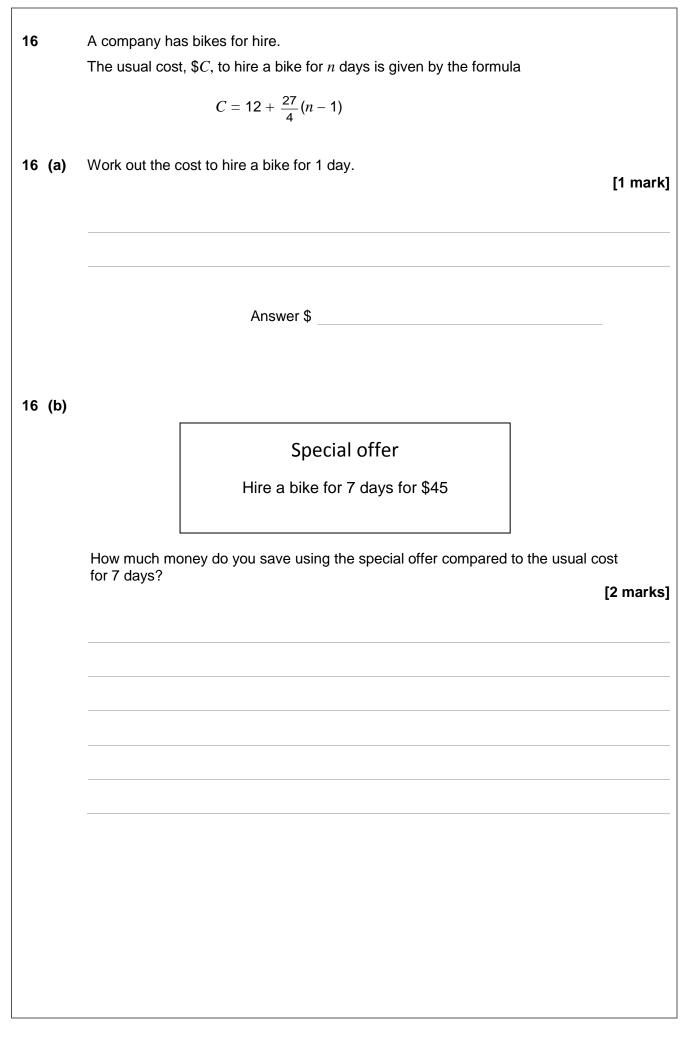
The mass of 40 cm ³ of copper is 354 grams. Work out the mass of 100 cm ³ of copper.						
		Answer		grams		
You are given that Tick whether each Give a reason for	a = 3 a stateme				[2 ma	rks]
Statement ab = 35	True	False	Reason			

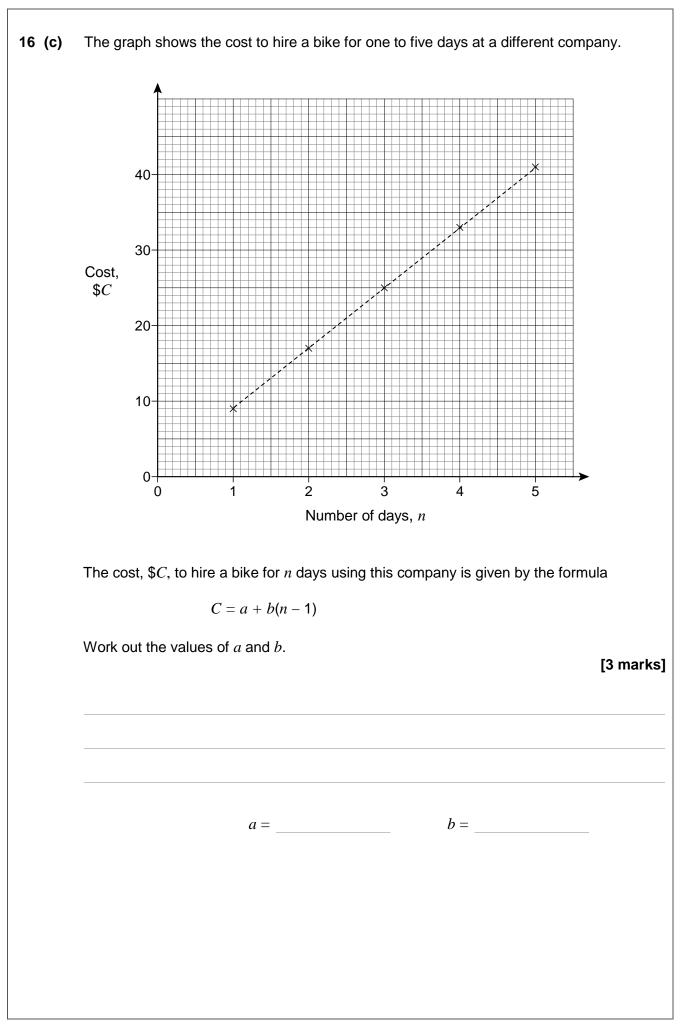
Statement	True	False	Reason
<i>ab</i> = 35			
$2b^2 = 100$			

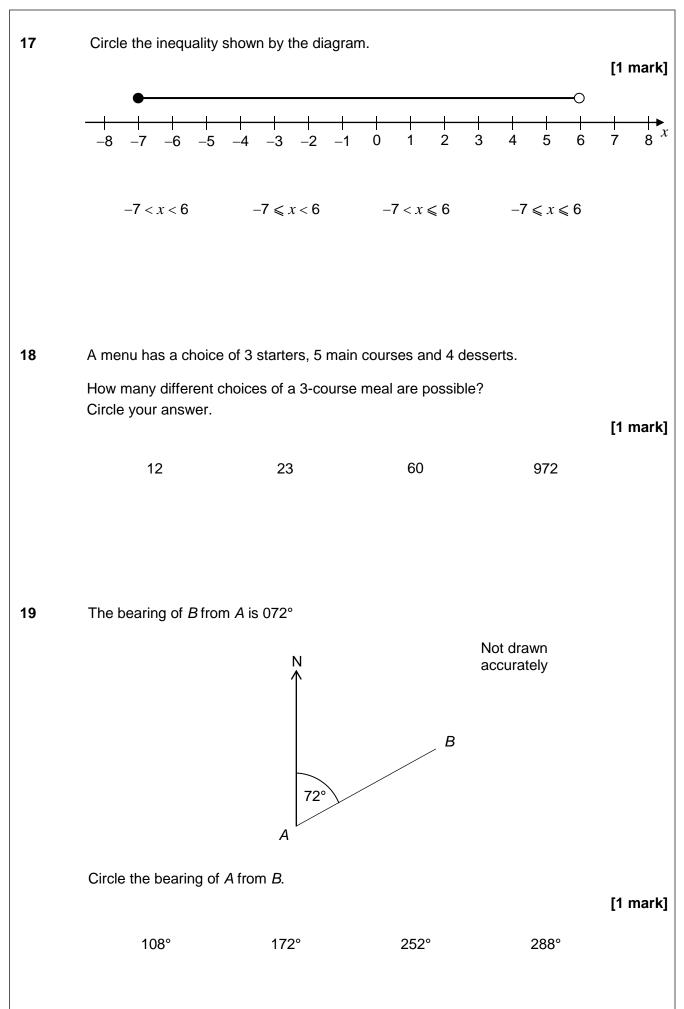


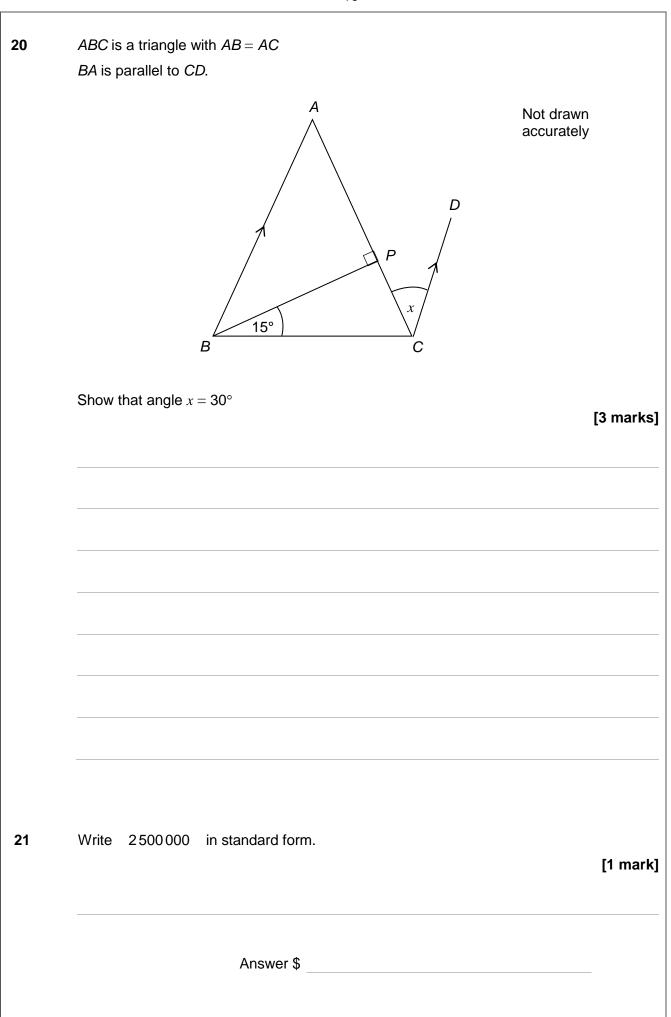
	the structure of the state of the second structure state of the structure st
14 (c)	who has 50 lessons.
	[2 marks]
	Answer
14 (d)	Meera says,
	"I can use the trend to predict the number of driving tests needed to pass
	for any number of driving lessons."
	Comment on her statement.
	[1 mark]











S	Some people are at a concert.
	$\frac{3}{5}$ are women.
	$\frac{1}{6}$ are men.
	The rest are children.
	There are 56 children.
Н	low many men are at the concert?
	[4 marks
_	
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	Answer

23	A box contains some cards. Each card has a question.								
	Each question is about The questions have the	ut History , Languag	-						
	A card is picked at rar								
	The table shows the p	probability that each	type of question is p	picked.					
		Easy	Medium	Difficult					
	History	0.15	0.20	0.05					
	Languages	0.10	0.08	0.02					
	Movies	0.01	0.03	0.06					
	Sport	0.12	0.07	0.11					
23 (a)	What is the probabilit	y that it is a Sport q	uestion?		[1 mark]				
		Answer							
00 (h)	What is the probabilit	u that it is a Madium	a lovel question she						
23 (b)	What is the probability or Movies ?	y that it is a mediun	n level question abo	ut Languages	[4 month]				
					[1 mark]				
		Answer							
23 (c)	There are 200 cards i	n the box altogethe	r.						
	How many Easy que	stions are about His	story?		[2 marks]				
		Answer							



	Scale: 4 c	m represents 1 m
	Doors	
Aerial socket		
		Aerial socket
	A new socket is to be fitted to one of the walls . It must be	
	equidistant from the two aerial socketsat least half a metre from the doors.	
	Use a ruler and compasses to show where the socket should be Mark the position with a letter S.	e fitted. [4 mar

20	In a school COO(of the students are side	
26	In a school, 60% of the students are girls.	
	50% of the girls walk to school. 20% of the boys walk to school.	
	What percentage of the students walk to school?	[3 marks]
	Answer	%
07		
27	Solve $x^2 - 5x + 4 = 0$	[3 marks]
	Answer	

