6		
Surname	Other r	names
Pearson Edexcel Level 1/Level 2 GCSE (9 -	Centre Number	Candidate Number
Mathema		
Paper 1 (Non-Calc	ulator)	
Paper 1 (Non-Calc	-	- oundation Tier
Paper 1 (Non-Calc Specimen Papers Set 1	-	Paper Reference

Instructions

- Use **black** ink or ball-point pen.
- Fill in the boxes at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided there may be more space than you need.
- Calculators may not be used.
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- You must **show all your working out**.

Information

- The total mark for this paper is 80
- The marks for each question are shown in brackets
 use this as a guide as to how much time to spend on each question.

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.











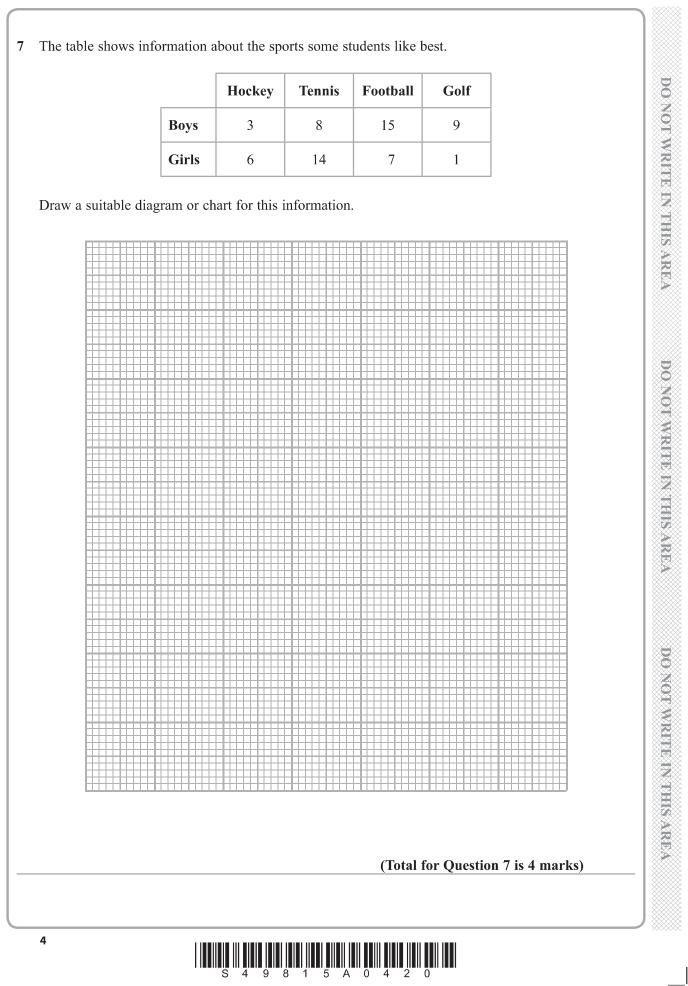
v	Answer ALL questions. Write your answers in the spaces provided.	DO	Q F A
You n 1 Change 530 centimetres int	nust write down all the stages in your working. to metres.	DO NOT WRITE IN THIS ARE.	DO NOT WRITE IN THIS ARE
	(Total for Question 1 is 1 mark)	IS AREA	TON DO
2 How many minutes are the			
3 Write 4.4354 correct to 2 d		DO NOT WRITE IN THIS AREA	BO NOT WRITE IN THIS AREA
4 Write 0.9 as a percentage.		DO NOT WRITE IN THIS AREA	DO NOT WRITE IN THIS ARE A
	(Total for Question 4 is 1 mark)		

5	Work out $(-3)^3$
	(Total for Question 5 is 1 mark)
6	Here are four cards. There is a number on each card.
	4 5 2 1
	(a) Write down the largest 4-digit even number that can be made using each card only once.
	(b) Write down all the 2-digit numbers that can be made using these cards.
	(2)
	(Total for Question 6 is 4 marks)

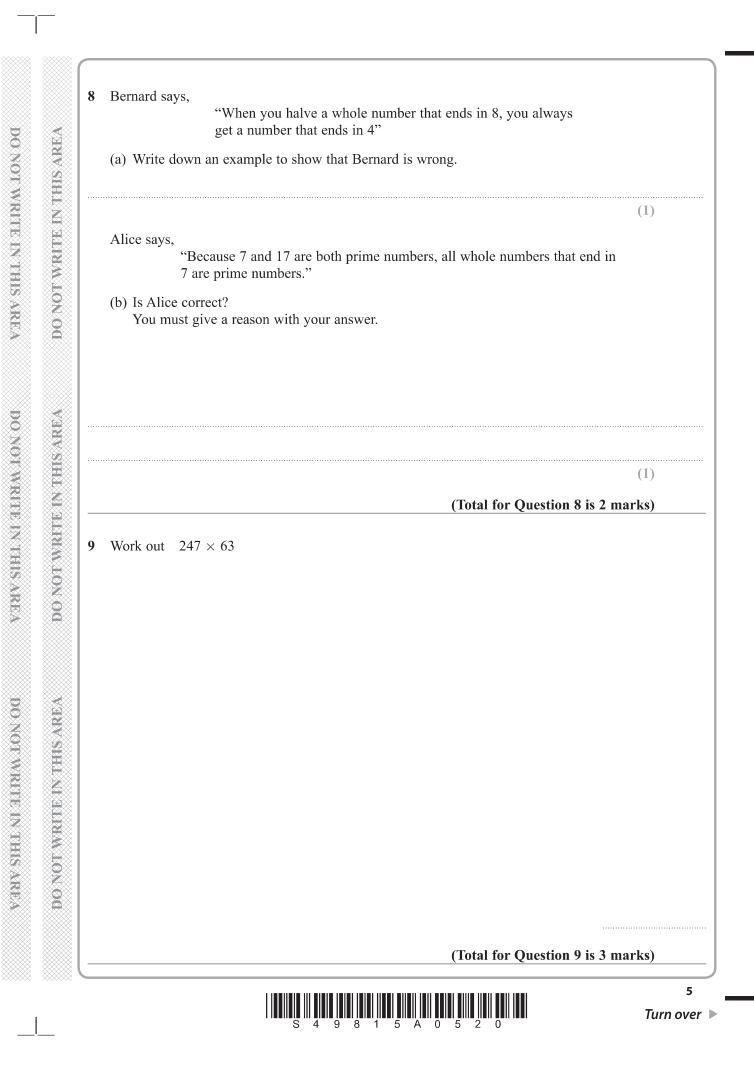
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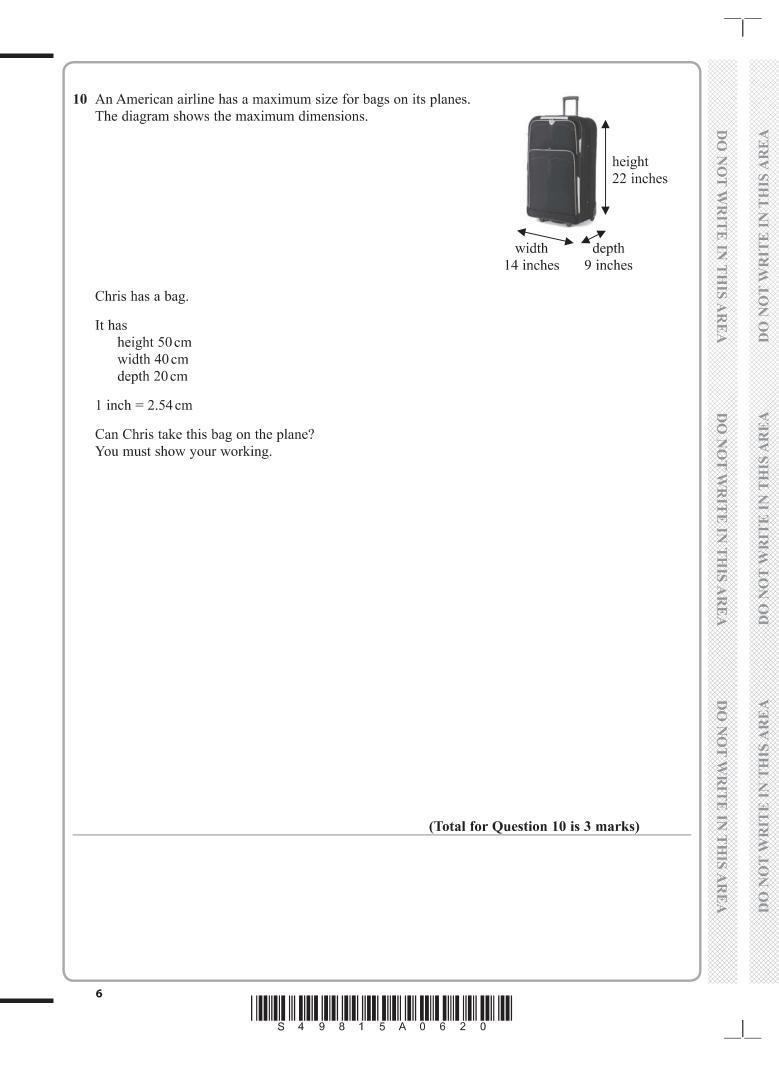
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11 Complete the two-way table.

	blue eyes	brown eyes	green eyes	total
boys	5		4	12
girls		7		
total			9	30

(Total for Question 11 is 3 marks)

12 There are 28 red pens and 84 black pens in a bag.

Write down the ratio of the number of red pens to the number of black pens. Give your ratio in its simplest form.

(Total for Question 12 is 2 marks)



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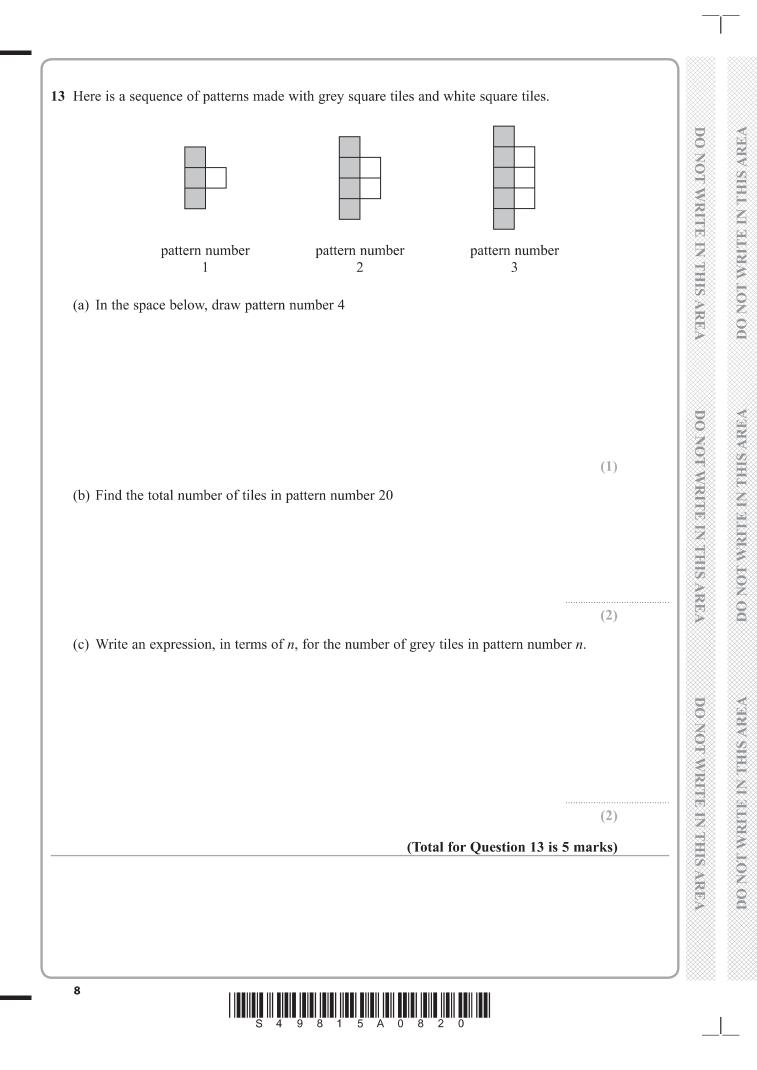
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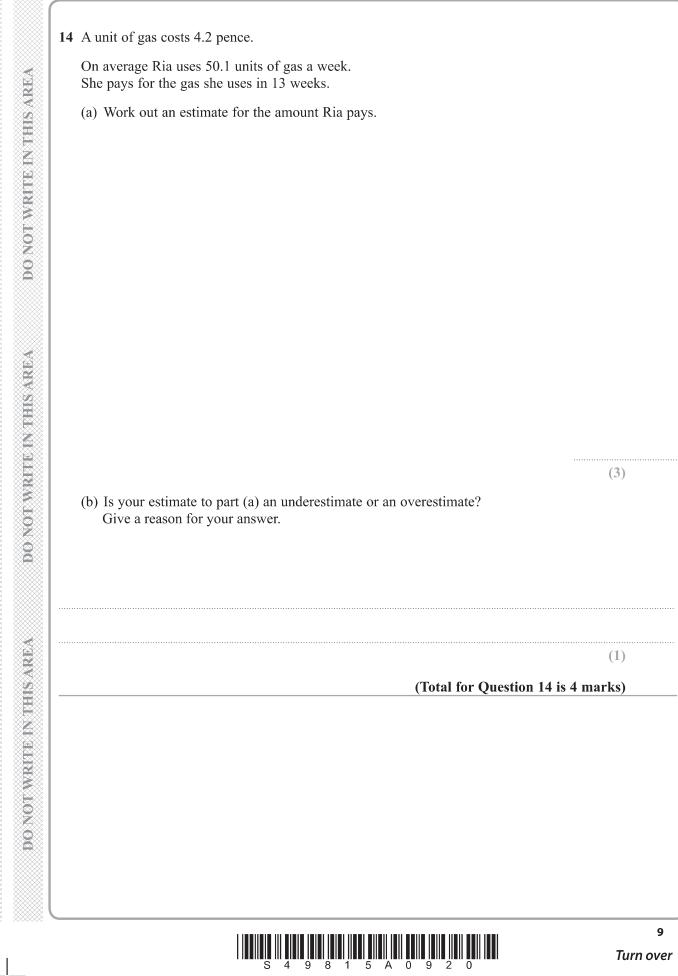
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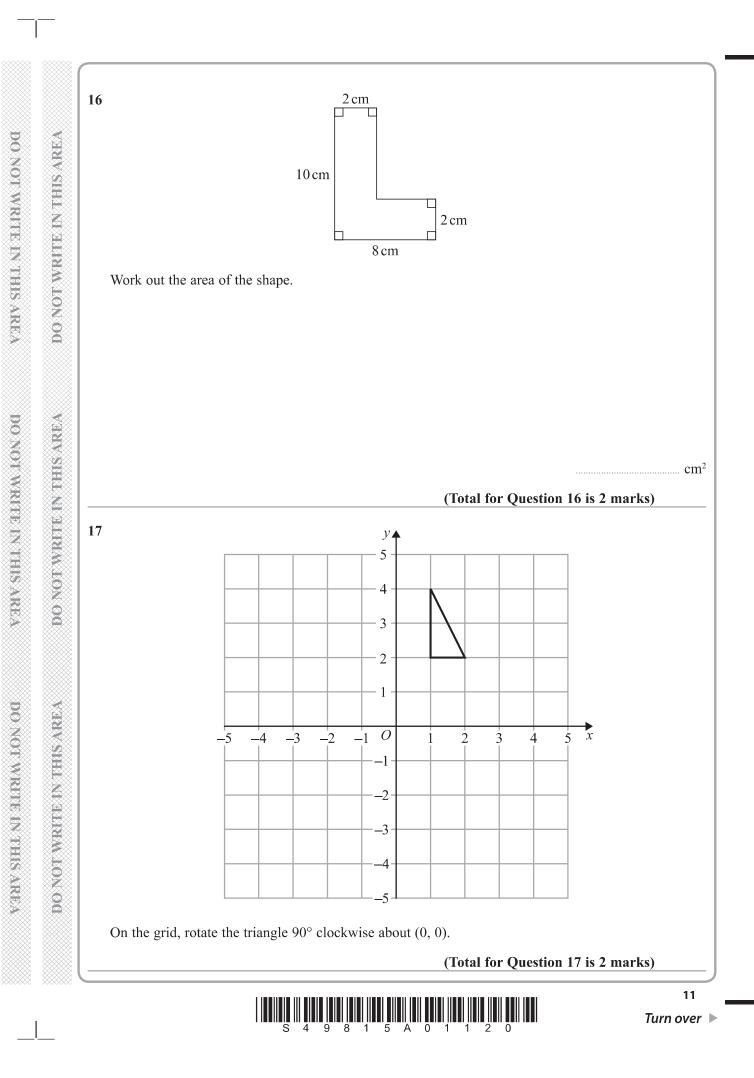




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		Diagram accurately drawn	DO NOT WRITE IN THIS AREA	
Scale: 1 cm represents 2 m Mrs Bridges is going to cover the floor with board Each board is rectangular in shape.	s.		N THIS AREA	
Each board is 1.2 m long and 1 m wide. Mrs Bridges has 150 boards. Does she have enough boards? You must show how you get your answer.			DO NOT WRITE IN THIS AREA	
			DO NOT WRITE IN THIS AREA	



18 There are 500 passengers on a train. $\frac{7}{20}$ of the passengers are men. DO NOT WRITE IN THIS ARE DO NOT WRITE IN THIS ARE. 40% of the passengers are women. The rest of the passengers are children. Work out the number of children on the train. DO NOT WRITE IN THIS AREA **MRIE** IN THIS AREA (Total for Question 18 is 3 marks) DO NOT WRITE IN THIS ARE \$ R 2 12

19 A shop sells milk in 1 pint bottles and in 2 pint bottles. Each 1 pint bottle of milk costs 52p. Each 2 pint bottle of milk costs 93p. RE Martin has **no** milk. He assumes that he uses, on average, $\frac{3}{4}$ of a pint of milk each day. Martin wants to buy enough milk to last for 7 days. (a) Work out the smallest amount of money Martin needs to spend on milk. You must show all your working. £ (3) Martin actually uses more than $\frac{3}{4}$ of a pint of milk each day. (b) Explain how this might affect the amount of money he needs to spend on milk. Ó (1) (Total for Question 19 is 4 marks) Ż

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	7x $5x + 18$
	All the angles are in degrees.
	Work out the size of the smallest angle of the triangle.
21	(Total for Question 20 is 3 marks) A box exerts a force of 140 newtons on a table. The pressure on the table is 35 newtons/m ² . $p = \frac{F}{T}$
	Calculate the area of the box that is in contact with the table. P = A $p = pressure$ $F = force$ $A = area$

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22 There are only red counters, blue counters, green counters and yellow counters in a bag.

The table shows the probabilities of picking at random a red counter and picking at random a yellow counter.

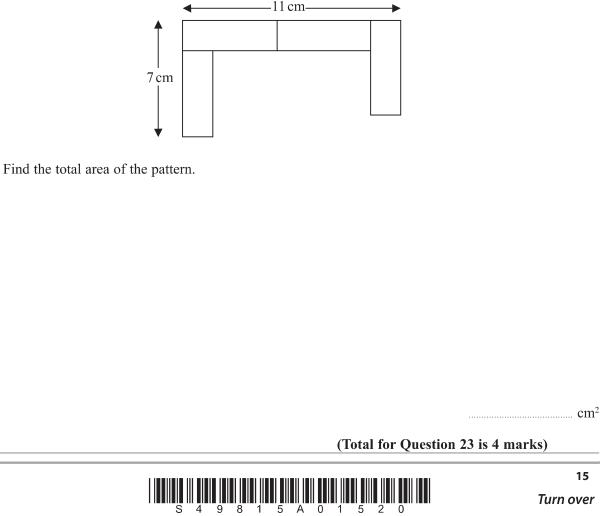
Colour	red	blue	green	yellow
Probability	0.24			0.32

The probability of picking a blue counter is the same as the probability of picking a green counter.

Complete the table.

(Total for Question 22 is 2 marks)

23 A pattern is made using identical rectangular tiles.





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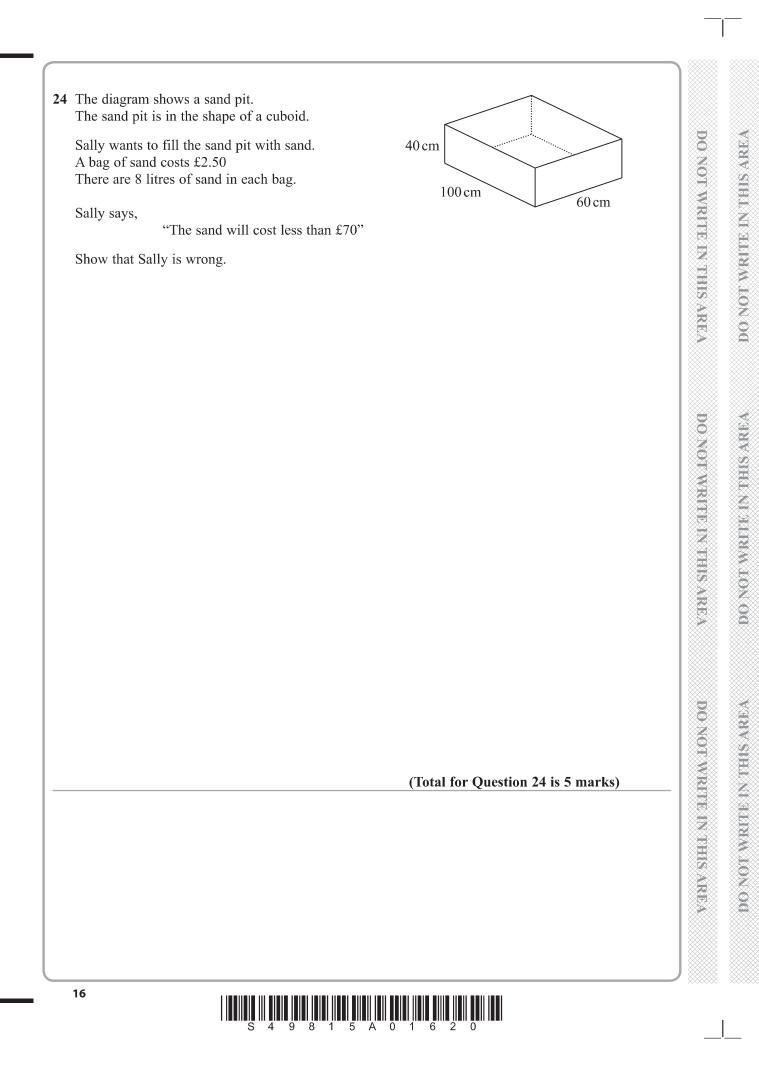
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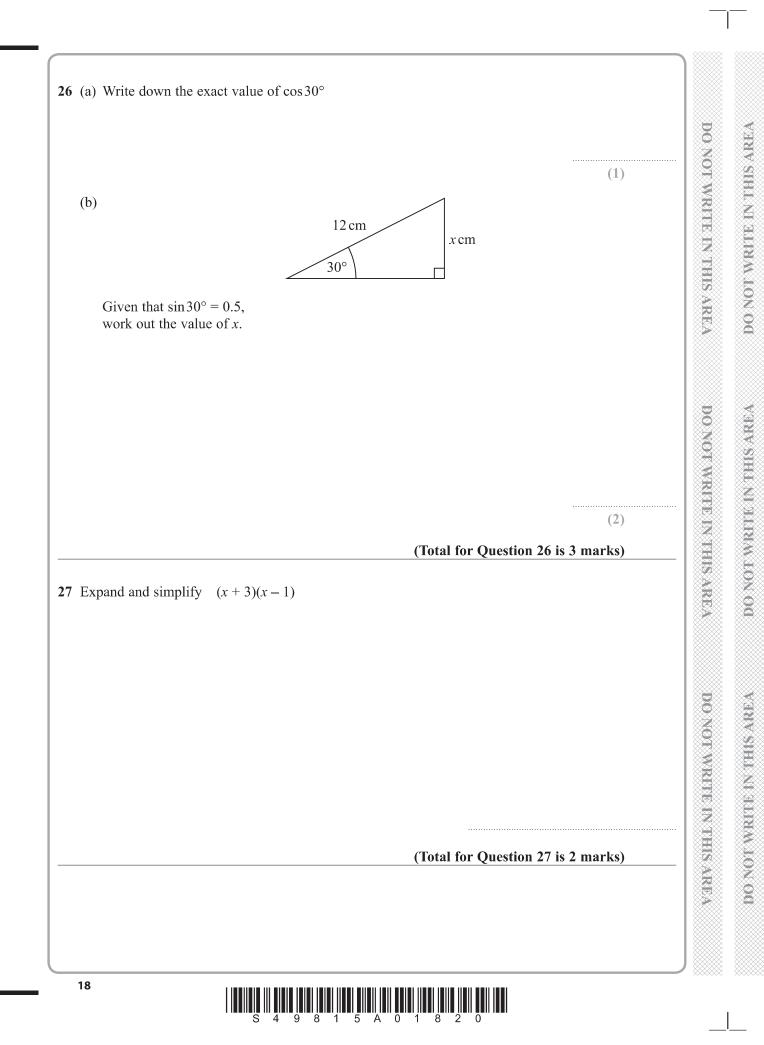
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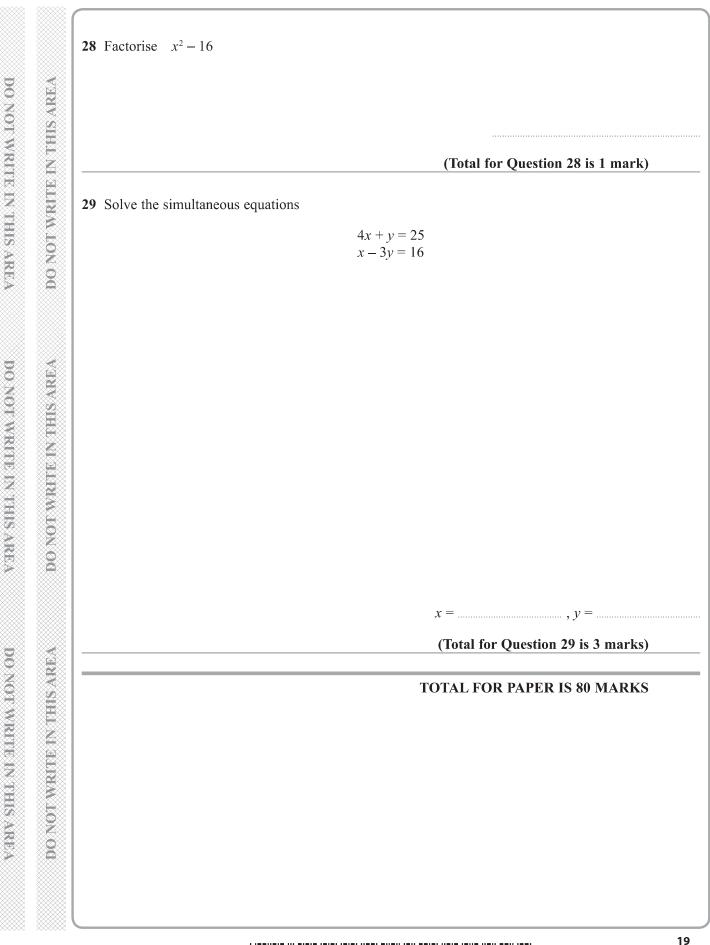
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		Ben	Helen	Paul	Sharif		
	heads	34	66	80	120		
	tails	8	12	40	40		
The coin is to be thro	wn one more	time.					
(a) Which of the four the coin will land Justify your answ	heads?	lts will g	ive the bes	st estimat	te for the	probability	that
							(1
Paul says,			1:11 4	4 1	1	-4 4- :1- ??	
	his coin you a er.	re twice	as likely t	o get hea	ids as to g	et tails."	
"With the table of tabl	er.	re twice	as likely t	o get hea	ids as to g	et tails."	(2
"With the formation of the second sec	wn twice.			-			(2 he coin





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