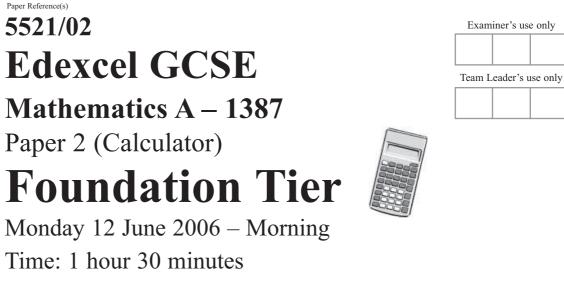
Centre No.				Paper Reference					Surname	Initial(s)	
Candidate No.			5	5	2	1	/	0	2	Signature	



Materials required for examination

Ruler graduated in centimetres and millimetres, protractor, compasses, pen, HB pencil, eraser, calculator. Tracing paper may be used. Items included with question papers

Nil

Instructions to Candidates

In the boxes above, write your centre number, candidate number, your surname, initials and signature. Check that you have the correct question paper.

Answer ALL the questions in the spaces provided in this question paper.

You must NOT write on the formulae page. Anything you write on the formulae page will gain NO credit.

If you need more space to complete your answer to any question, use additional answer sheets.

Information for Candidates

The marks for individual questions and the parts of questions are shown in round brackets: e.g. (2). There are 28 questions in this question paper. The total mark for this paper is 100. There are 24 pages in this question paper. Any blank pages are indicated.

Calculators may be used.

If your calculator does not have a π button, take the value of π to be 3.142 unless the question instructs otherwise.

Advice to Candidates

Show all stages in any calculations. Work steadily through the paper. Do not spend too long on one question.

If you cannot answer a question, leave it and attempt the next one.

Return at the end to those you have left out.

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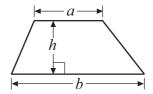
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GCSE Mathematics 1387/8

Formulae: Foundation Tier

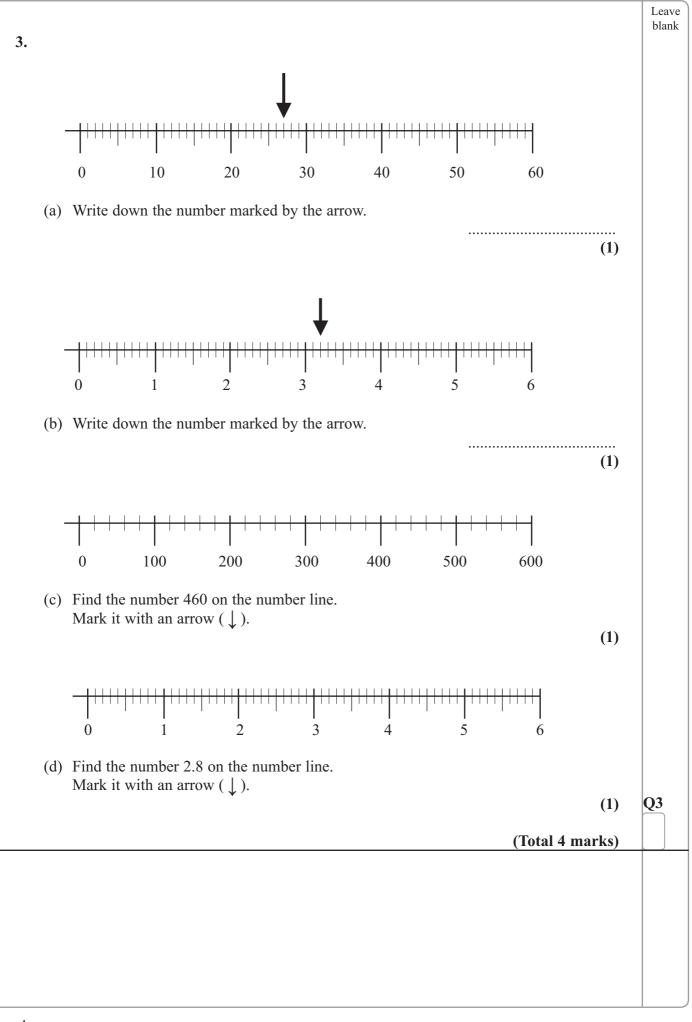
You must not write on this formulae page. Anything you write on this formulae page will gain NO credit.

Area of trapezium = $\frac{1}{2}(a+b)h$

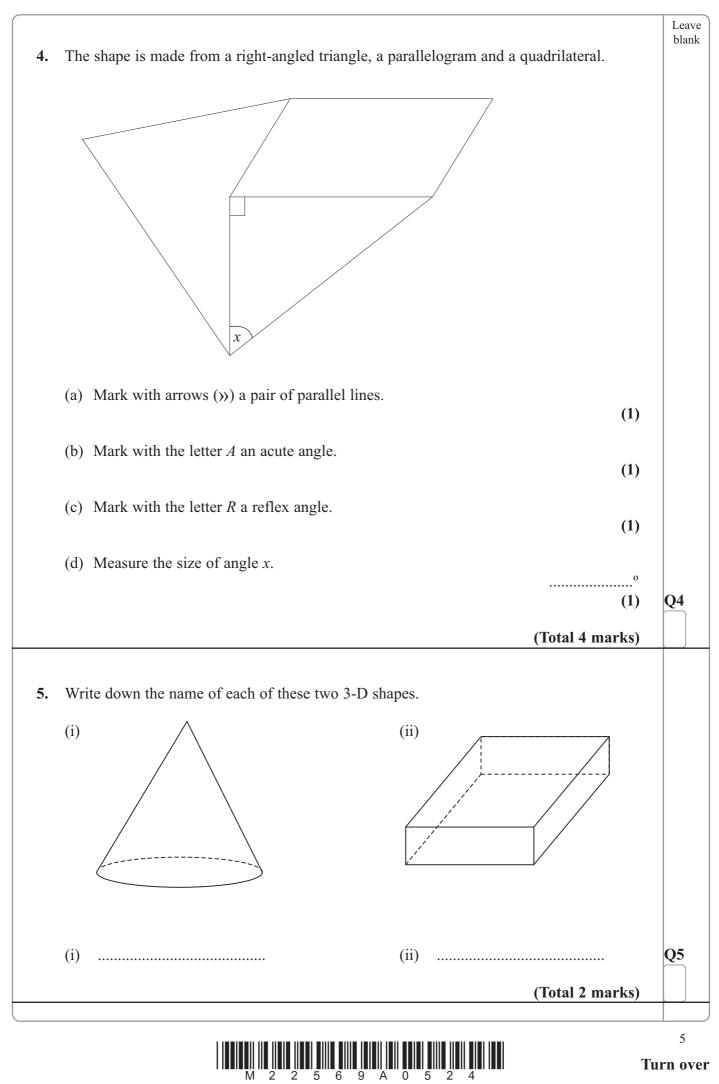


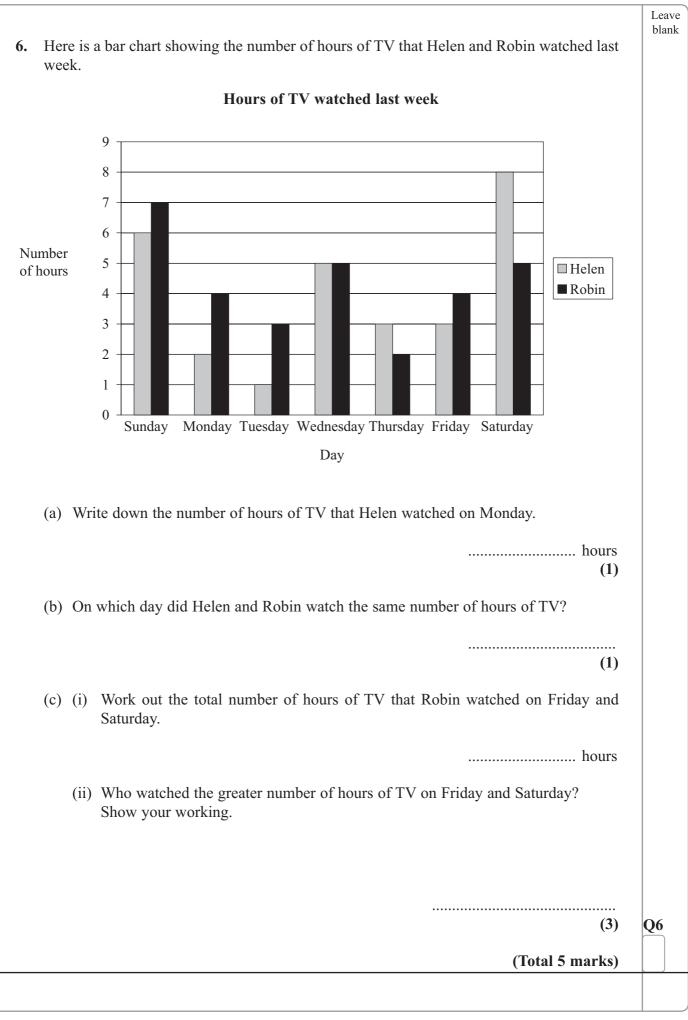


		Ansv	ver ALL	TWENTY	EIGHT (questions.			Leav blan
				iswers in tl					
		rou mu	ist write	down all st	ages m y	our worki	ug.		
1. (a) Writ	te one p	oound this	rty pence	in figures.					
							£		
(b) Writ	te one p	oound fiv	e pence ir	n figures.					
	1		1	8			£	(1)	Q1
							(1)	otal 2 marks)	
2. Each poi	int on t	he graph	represents	s the size of	f a shoe a	nd its lengt	h, in cm.		
22	2			Shoes	1				
33									
31									
Length 30									
(cm) 29									
28	8			+					
27	7		•						
26	6								
25	$5 \frac{1}{7}$	8	9	10	11	12	13	14	
	7	0	,		ze	12	15	11	
(a) Writ	te down	n the leng	th of a siz	ze 9 shoe.					
							•••••	cm	
								(1)	
(b) Writ	te dowr	n the size	of a shoe	with a leng	gth of 29.:	5 cm.			
							•••••	(1)	Q2
							(T		
							(1)	otal 2 marks)	
									3
			M 2	2 5 6	9 A 0	3 2 4]	Turn ov



M 2 2 5 6 9 A 0 4 2 4







7. (a)	Measure the length of the line <i>AB</i> .	Leave blank
	A B	
	cm (1)	
(b)	Mark the mid point of the line AB with a cross (×). Label this point P . (1)	
(c)	Draw a circle with centre <i>P</i> so that <i>AB</i> is the diameter of the circle. (1) (Total 3 marks)	Q7
	Tu M 2 2 5 6 9 A 0 7 2 4	7 Irn over

-	
O	
x	
υ	

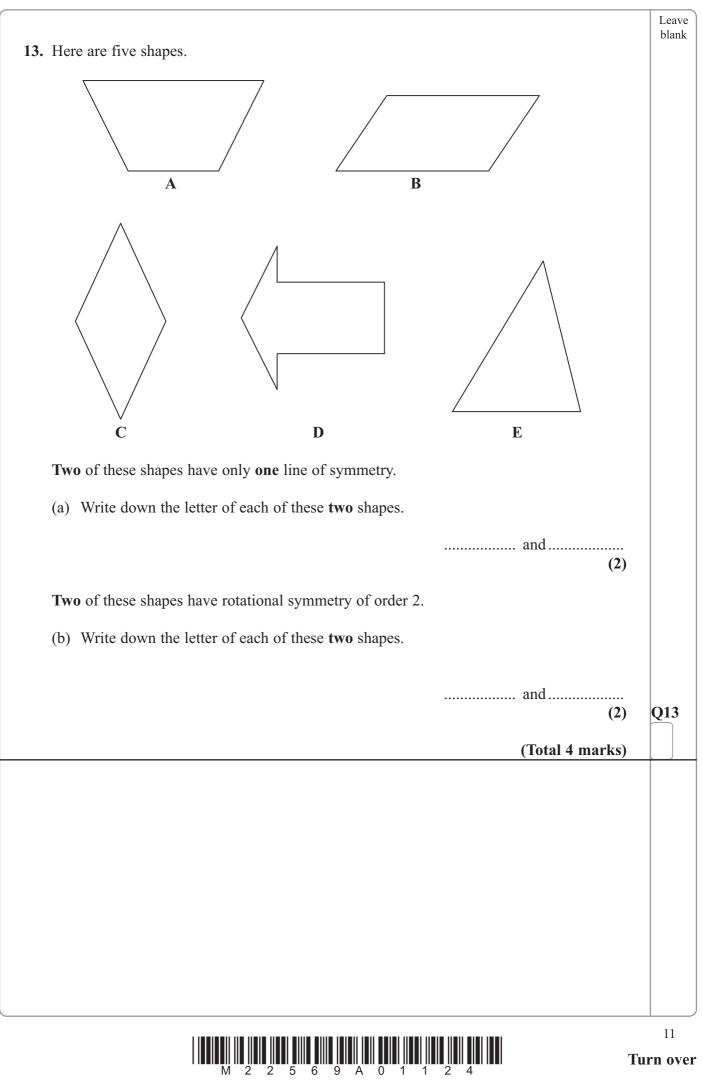
8.				Leave blank
	Pete's	Café		
	Price List			
	Cup of Tea Cup of Coffee Can of Cola	75p 85p 75p		
	Roll Sandwich	£1.70 £1.35		
Joe buys	a can of cola and a roll.			
(a) Wor	k out the total cost.			
			£(1)	
Susan bu	ays two cups of tea and one s	andwich.		
(b) Wor	k out the total cost.			
			£(2)	
Kim buy	s a cup of coffee and a roll.			
She pays	s with a £5 note.			
(c) How	much change should she ge	t?		
			£(2)	Q8
			(Total 5 marks)	



9.	Am	anda co	llected 2	20 leaves	s and wr	ote down	n their le	engths, in	cm.			Lea bla
	Her	e are he	r results									
	5 7	6 6	5 4	2 3	4 5	5 7	8 6	7 4	5 8	4 5		
	(a)	Comple	ete the f	requency	y table to	o show A	manda'	s results.				
		Lei	ngth in	cm	Т	ally	Fre	quency				
			2									
			3									
			4									
			5									
			6						_			
			7						_			
			8								(2)	
											(1)	Q9
0.												
												Q1
			5 5 2 4 5 8 7 5 4 5 a) a									
											Т	9 urn o

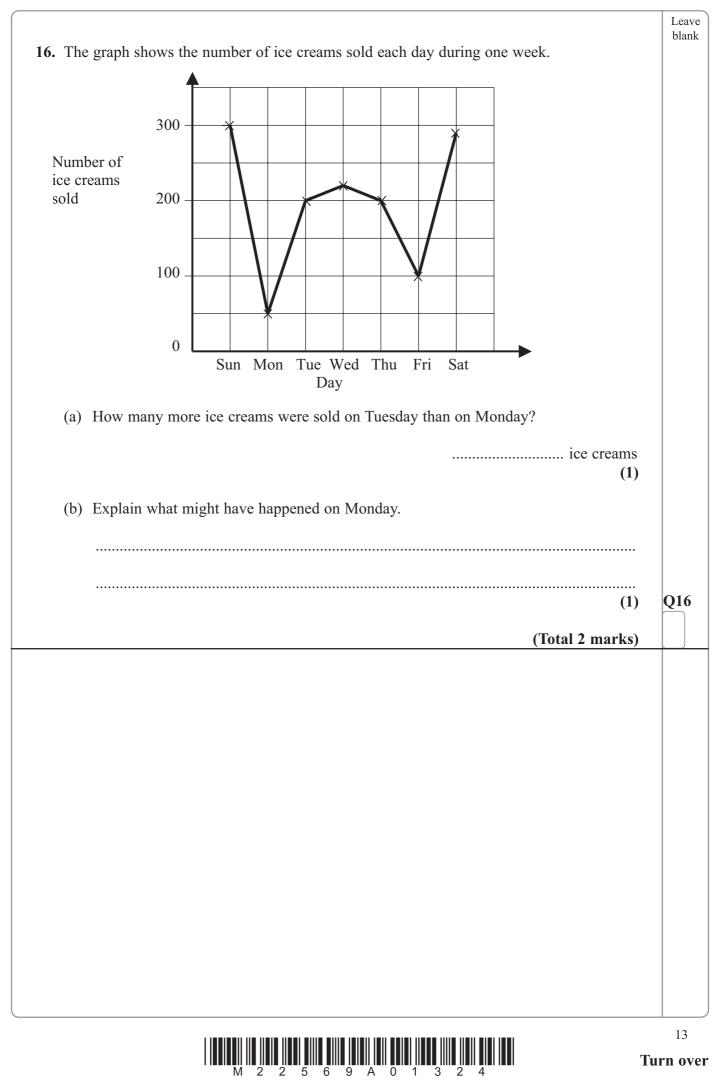
Cost of each item £2.50 £1.50 £ 00 an hour	Total £10.00 £ £ 5.00	
£1.50 £	£	
£		
	£ 5 00	
00 an hour		
	£	
Total cost	t £	
		QI
	(Total 4 mar	ks)
		(2)
		(1) Q1
		(Total 3 mar

M 2 2 5 6 9 A 0 1 0 2 4



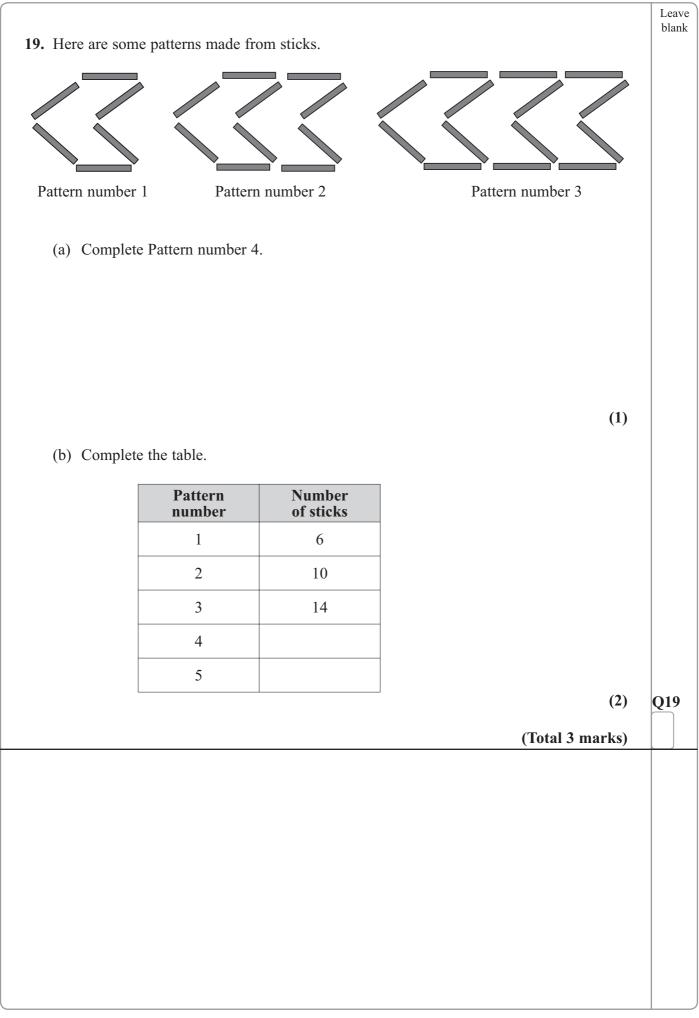
14. Danny shares a bag of 20 sweets with his friends.		Lea ^v blar
How many sweets does Danny keep for himself?		
		Q14
	(Total 3 marks)	
5. Simplify	(10001 5 1101 185)	
	(1)	
(b) $\rho + f + \rho + f + \rho$	(1)	
(0) e + j + e + j + e	(1)	
(c) $2a + 3a$	(1)	
(0) 2u + 3u	(1)	
(d) $2m + 3m$ m	(1)	
$(\mathbf{u}) 2xy + 3xy - xy$	(1)	
He gives Mary $\frac{3}{5}$ of the sweets. He gives Ann $\frac{1}{10}$ of the sweets. He keeps the rest for himself. How many sweets does Danny keep for himself? 15. Simplify (a) $c + c + c$ (b) $e + f + e + f + e$ (c) $2a + 3a$ (d) $2xy + 3xy - xy$ (e) $3a + 5b - a + 2b + 8$	(1)	
(c) $3u + 3b - u + 2b + 8$		
	(2)	Q1
	(Total 6 marks)	

M 2 2 5 6 9 A 0 1 2 2 4



17.	Ron went to Spain.	Leave blank
	He changed £200 into Euros (€). The exchange rate was $\pounds 1 = \pounds 1.40$	
	(a) How many Euros did he get?	
	€	
	(2) When he came home he changed $\notin 10.64$ back into pounds. The exchange rate was now $\pounds 1 = \notin 1.33$	
	(b) How many pounds did he get?	
	£(2)	Q17
	(Total 4 marks)	
14		

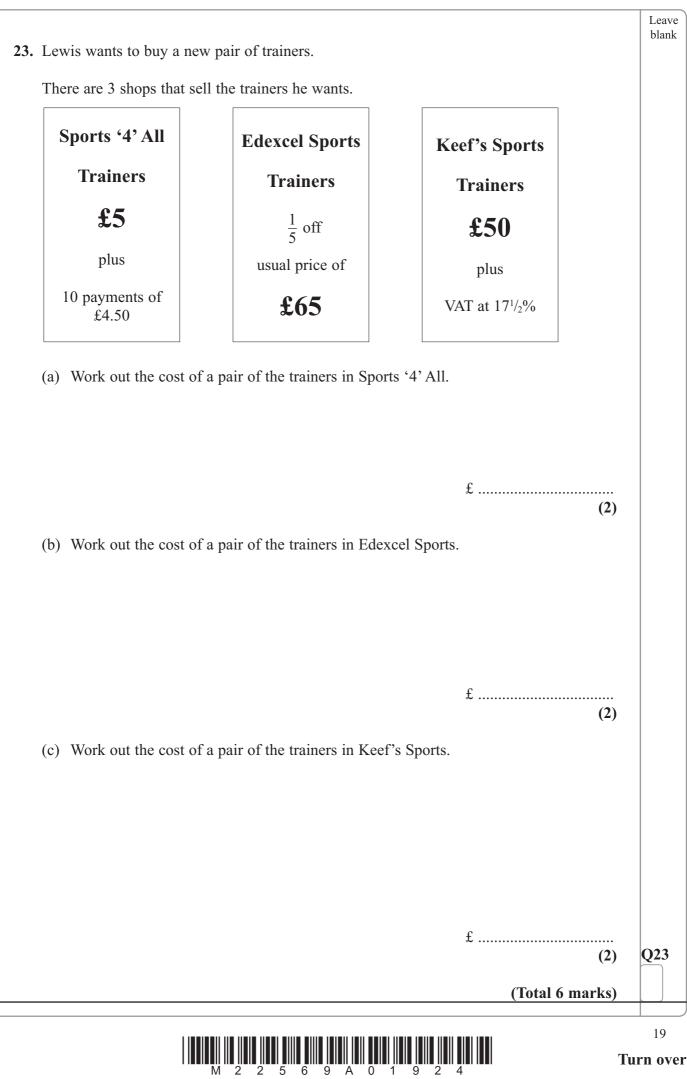
18. Navjeet uses this rule to work out his pay.	Leave blank
Pay = Number of hours worked × rate of pay per hour	
This week Navjeet worked for 10 hours. His rate of pay per hour was £4.50	
(a) Use this rule to work out his pay.	
£(2)	
Last week Navjeet's pay was £66 He worked for 12 hours.	
(b) Work out Navjeet's rate of pay per hour last week.	
£	
(2)	Q18
(Total 4 marks)	
	15 Itern over



20. (a) Work out the area of this rectangle.	Leave blank
4.5 cm	
2.5 cm Diagram NOT accurately drawn	
$\dots \dots $	
A square has an area of 324 cm².(b) Work out the length of one side of the square.	
Area 324cm ² Diagram NOT accurately drawn	
cm (2) (Total 4 marks)	Q20
 21. Bob lays 200 bricks in 1 hour. He always works at the same speed. Work out how long it will take Bob to lay 960 bricks. Give your answer in hours and minutes. 	Q21
(Total 3 marks)	
	17 Turn over

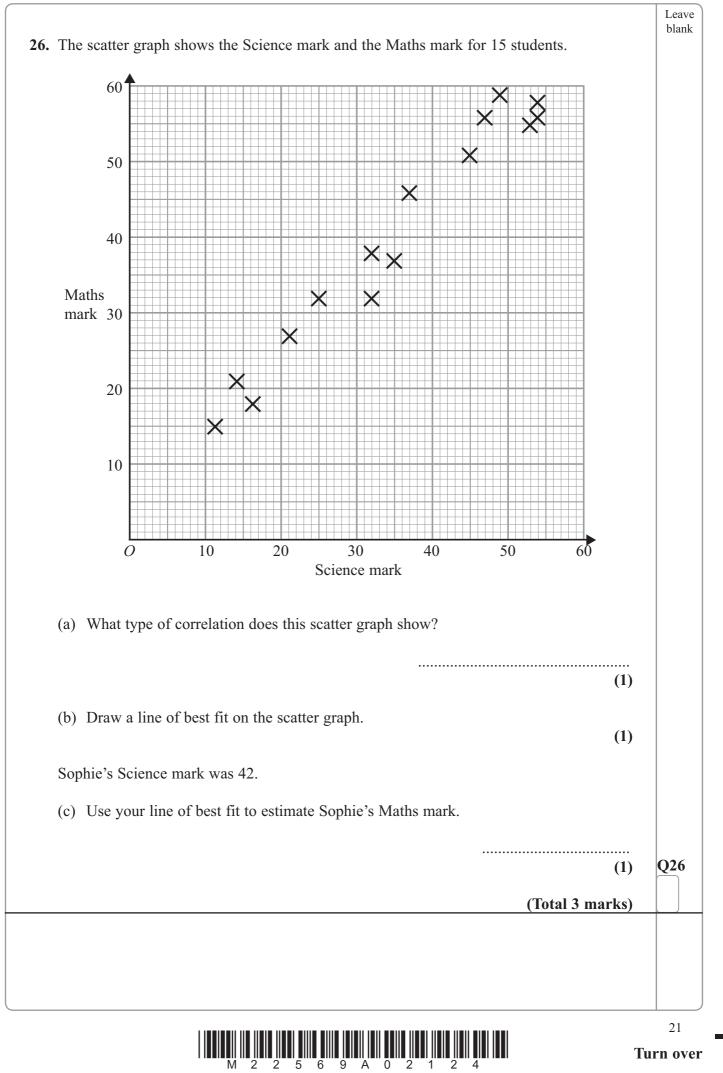
						leave blank
	an ordinary dice one narked 1, 2, 3, 4, 5					
(a) Write do	own the probability	that he gets				
(i) a 6,						
(ii) an c	odd number,					
(iii) a nu	umber less than 3,					
(iv) an 8						
rz 11 1						
		es.				
The table giv	ves information about	ut Ken's scores.				
	Score on dice	Frequency				
	1	9				
	2	11				
	3	20				
	4	2				
	5	8				
	6	10				
(b) Explain	what you think is di	ifferent about Ken	's dice.			
					 (1) Q2	22
				(Total 5 ma	arks)	
	 (i) a 6, (ii) a 6, (iii) an c (iii) a nu (iii) a nu (iv) an 8 	it has faces marked 1, 2, 3, 4, 5 is (a) Write down the probability (i) a 6, (ii) an odd number, (iii) a number less than 3, (iv) an 8. Ken rolls a different dice 60 time This dice also has six faces. The table gives information above Score on dice 1 2 3 4 5 6	It has faces marked 1, 2, 3, 4, 5 and 6. (a) Write down the probability that he gets (i) a 6, (ii) an odd number, (iii) a number less than 3, (iv) an 8. Ken rolls a different dice 60 times. This dice also has six faces. The table gives information about Ken's scores. $\frac{\text{Score on dice} \text{Frequency}}{1} 9$ 2 11 3 20 4 2 5 8 6 10	it has faces marked 1, 2, 3, 4, 5 and 6. (a) Write down the probability that he gets (i) a 6, (ii) an odd number, (iii) an umber less than 3, (iv) an 8. Ken rolls a different dice 60 times. This dice also has six faces. The table gives information about Ken's scores. $\frac{$core on dice Frequency}{1 9}$ $2 11$ $3 20$ $4 2$ $5 8$	it has faces marked 1, 2, 3, 4, 5 and 6. (a) Write down the probability that he gets (i) a 6, (ii) an odd number, (iii) an umber less than 3, (iv) an 8. Ken rolls a different dice 60 times. This dice also has six faces. The table gives information about Ken's scores. Score on dice Frequency 1 9 2 11 3 20 4 2 5 8 6 10	t has faces marked 1, 2, 3, 4, 5 and 6. a) Write down the probability that he gets (i) a 6, (ii) an odd number, (iii) an umber less than 3, (iv) an 8. (iv) an 8. (4) Score on dice Frequency 1 9 2 11 3 20 4 2 5 8 6 10

M 2 2 5 6 9 A 0 1 8 2 4

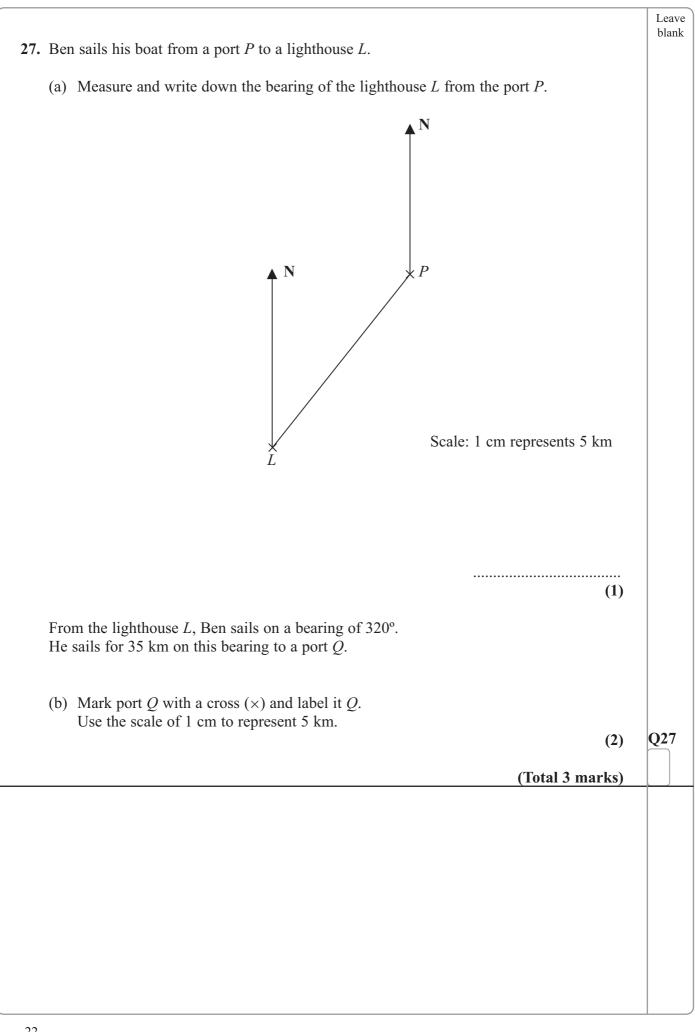


24.	The stem a	and leaf diagram shows inform	tion about the areas of 32 pho	otographs.	Leave blank
	0	889			
	1	1 1 3 4 4 8 9			
		0 3 5 5 7 8 8 9			
	3	2 2 3 3 5 6 8 8	Key: 4 1 repre	esents 41 cm ²	
	4	1 1 3 3 5 8			
	(a) Write	down the number of photograp		² . 	
	(1) 11/ 1	1		(1)	
	(b) Work	out the median.		cm ² (2)	Q24
				(Total 3 marks)	
25.	The radius	Ta table is a circle. To of the top of the table is 50 cr out the area of the top of the ta			
				cm ² (2)	
		of the table is a circle. eter of the base of the table is 4) cm.		
	(b) Work	out the circumference of the ba	se of the table.		
				cm (2)	Q25
				(Total 4 marks)	





Turn over



e

28

		Leave blank
.	£3.80 200 g Large E3.50 175 g Regular	
	A Large tub of popcorn costs £3.80 and holds 200 g. A Regular tub of popcorn costs £3.50 and holds 175 g.	
	Rob says that the 200 g Large tub is the better value for money. Linda says that the 175 g Regular tub is the better value for money.	
	Who is correct?	
	Explain the reasons for your answer. You must show all your working.	
		Q28
	(Total 2 marks)	
	TOTAL FOR PAPER: 100 MARKS	
	END	
-		

