Centre No.							Pape	er Refer	ence			Surname	Initial(s)
Candidate No.					1	3	8	0	/	2	F	Signature	
		Pane	r Reference	(s)									

1380/2F Edexcel GCSE Mathematics (Linear)

Exam	iner's use	e only
Team L	eader's u	ise only

Mathematics (Linear) – 1380

Paper 2 (Calculator)

Foundation Tier



Friday 11 June 2010 – Morning Time: 1 hour 30 minutes

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

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. Write your answers 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 27 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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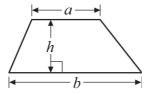
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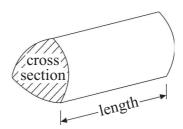
GCSE Mathematics (Linear) 1380

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



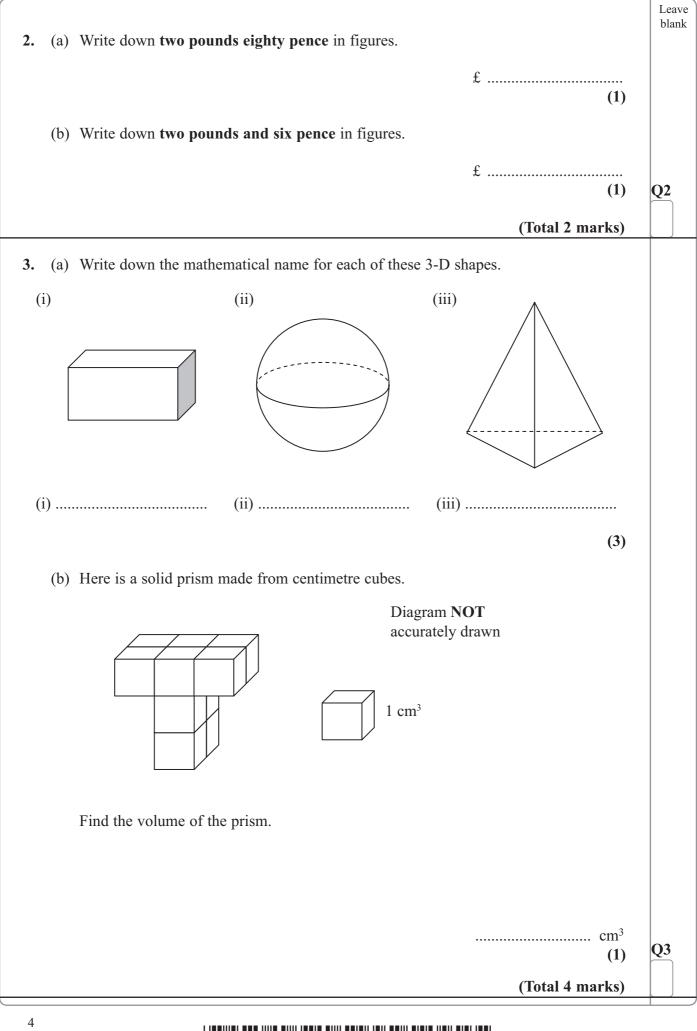


Volume of prism = area of cross section × length



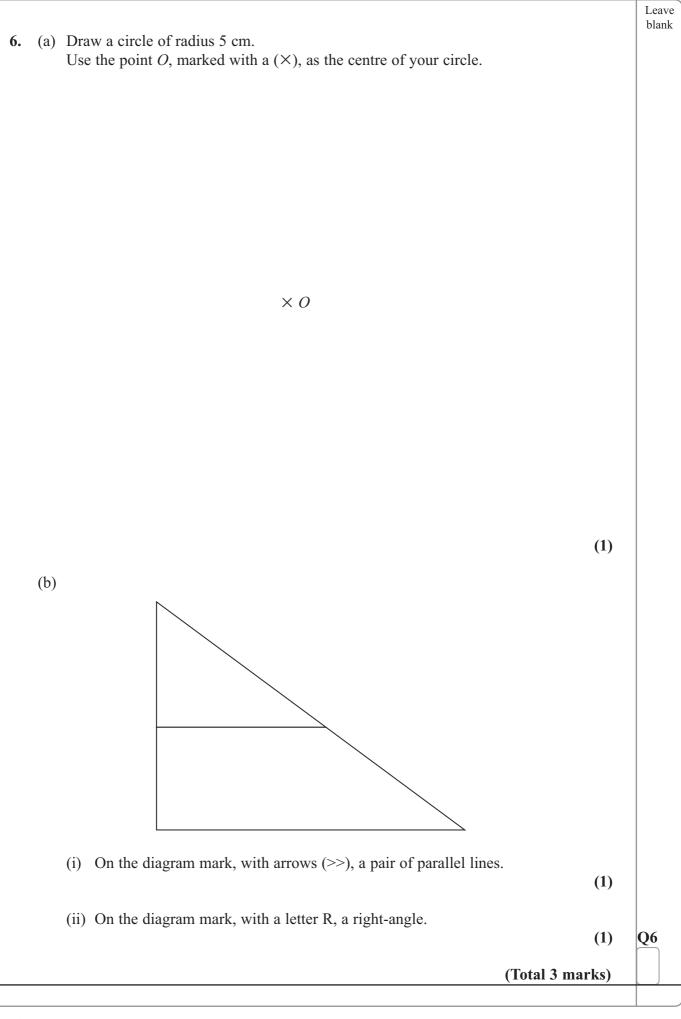
		Leave blank
	Answer ALL TWENTY SEVEN questions.	
	Write your answers in the spaces provided.	
	You must write down all stages in your working.	
1.	Here is an incomplete pictogram. It shows the numbers of hours of sunshine on Monday, Tuesday, Wednesday, Thursday and Saturday of one week. Monday Tuesday Wednesday Thursday Friday Saturday Sat	
	Sunday	
	 (a) Write down the number of hours of sunshine on Wednesday. (1) (b) Write down the number of hours of sunshine on Monday. 	
	(1)	
	On Friday, there were 8 hours of sunshine.	
	(c) Show this on the pictogram. (1)	
	On Sunday, there were 6 hours of sunshine.	
	(d) Show this on the pictogram. (1)	Q1
	(Total 4 marks)	





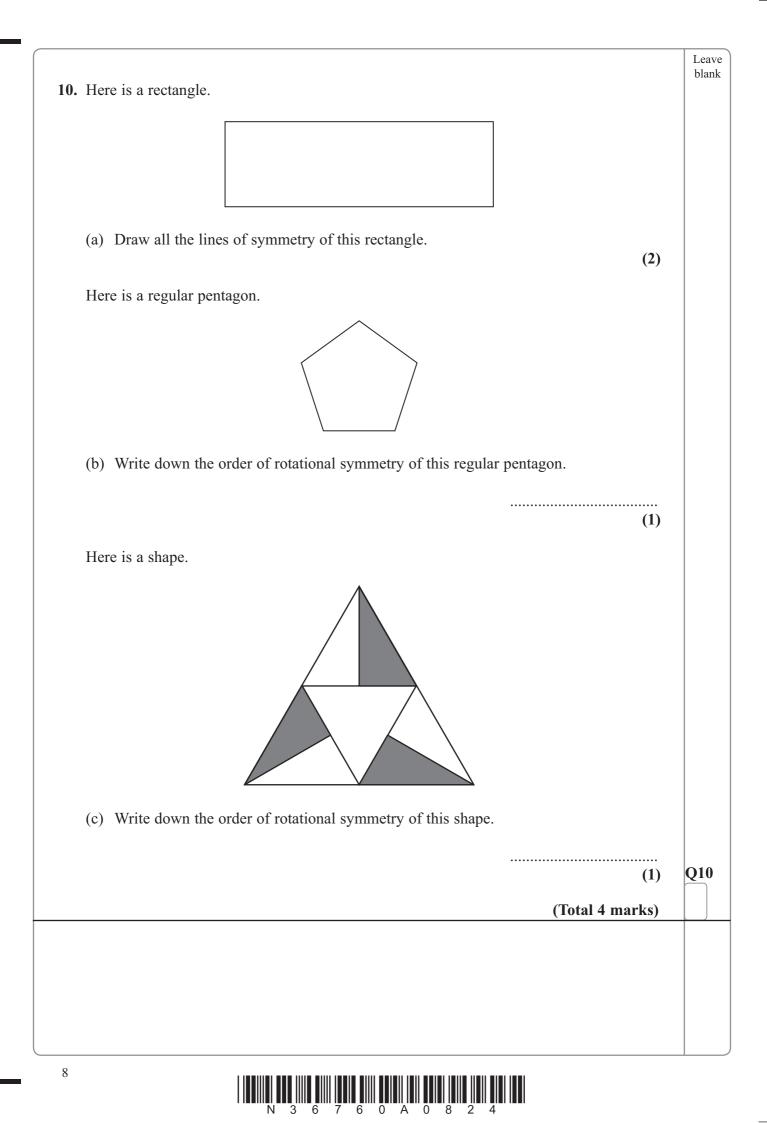
							Leave blank
4.	Here is a two-stage number It multiplies by 10 and the						
	Input \sum	× 10		+ 3	> Output		
	Complete the table.						
		Input	Output				
		1	13	_			
		2	23				
		5		_			
		8	83				
			103				
							Q4
					(Total 2 ma	rks)	
5.	Impossible Unlik	elv Even	chance	Likely	Certain		
				-	Certain		
	From the words above, ch			probability			
	(a) that the sun will shine	in july next ye	ar in London,				
						(1)	
	(b) that the next baby to b	be born will be a	a boy,				
						(1)	
	(c) that there will be 50 d	ays next month					
						(1)	Q5
					(Total 3 ma	rks)	
						T.	5 Irn over
	1.188	N 3 6 7	60A0	5 2 4		10	

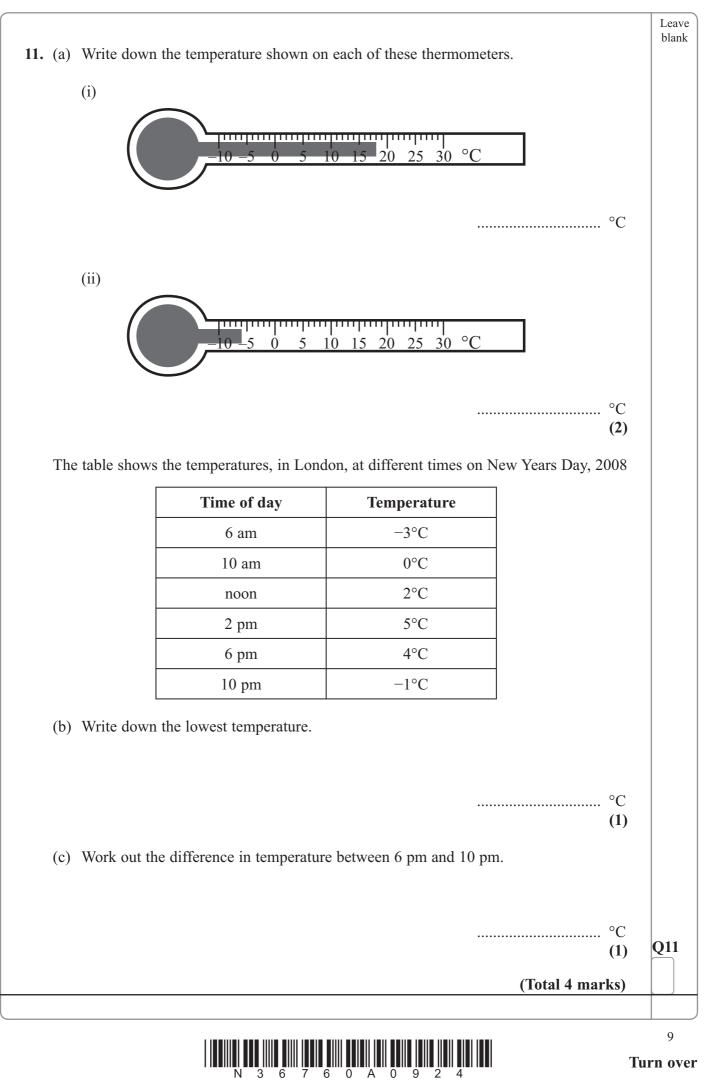
)



N 3 6 7 6 0 A 0 6 2 4

	Complete this table by wri	ting a sensible unit for e	each measurement.		
		Metric	Imperial		
	The height of a door		feet		
	The weight of a man	kilograms			
	The volume of water in a bucket		gallons		Q
			(Tot	tal 3 marks)	
8.	(a) Work out 5^2				
	(b) Find the square root o	f 3.24		(1)	
	(b) This the square root o	L J.27			
				(1)	Q
			(Tot	tal 2 marks)	
9.	Here are the first four term	is of a number sequence	e.		
	7 10	13 16			
	(a) Write down the next to	erm in this number sequ	ience.		
				(1)	
	(b) Explain how you foun	d your answer.		(1)	
	(b) Explain how you foun	d your answer.		(1)	
	(b) Explain how you foun	d your answer.		(1)	Q
	(b) Explain how you foun	d your answer.			Q



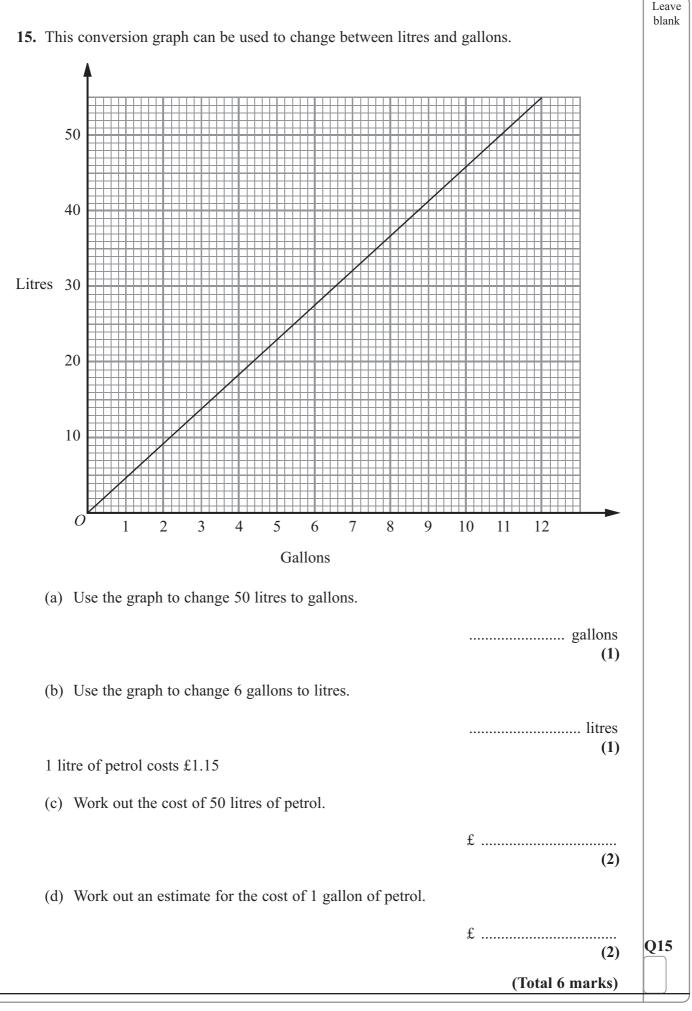


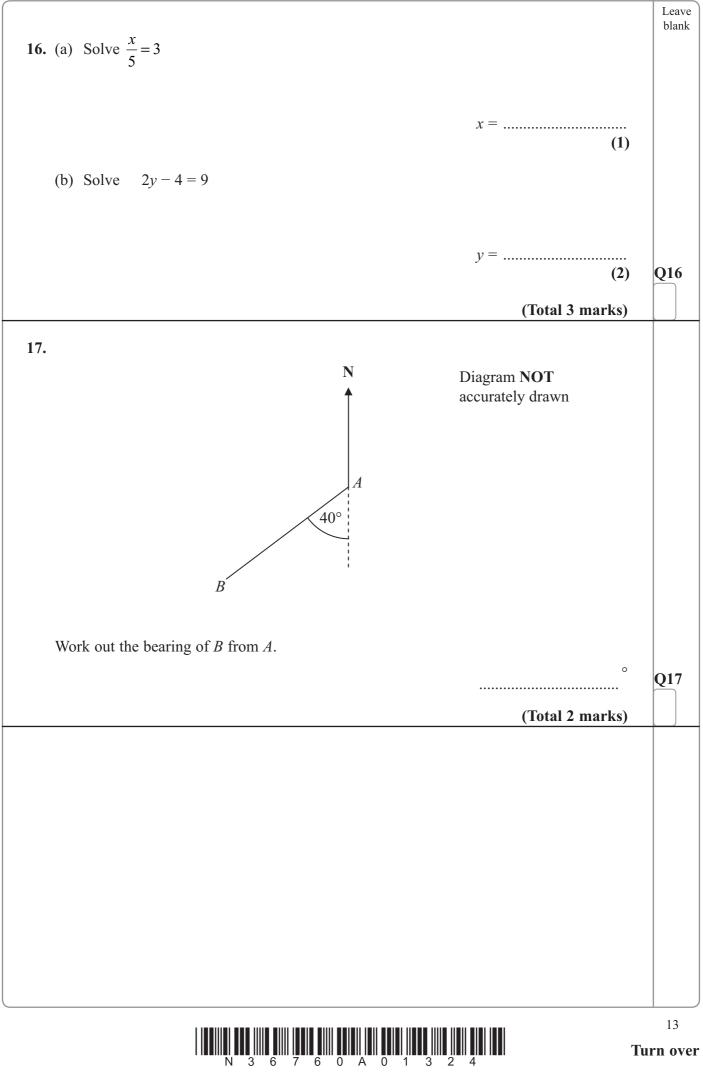
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12.		Leabla
(a) What fraction of the shape is shaded?		
	(1)	
(b) Here is a list of fractions.	(1)	
$\frac{2}{10} \frac{4}{20} \frac{5}{20} \frac{10}{50} \frac{3}{10}$		
Two of the fractions are not equivalent to $\frac{1}{5}$		
Write down these two fractions.		
and		
	(2)	
(c) Work out $\frac{3}{4}$ of 64		
	(2)	Q1
	(Total 5 marks)	

N 3 6 7 6 0 A 0 1 0 2 4

13. Tulips cost 85p e Sara has £20 to s She buys the great	pend on tulips.	mber of tulips.			Leave blank
(a) Work out the	number of tulip	s Sara buys.			
				tulips (2)	
Sara pays with a (b) Work out ho		Sara should get.			
				p (2) (Total 4 marks)	Q13
14. The two-way tabl	le gives informat	tion about the subject	cts studied by 50 s		
	Law	Engineering	Medicine	Total	
Male	6				
Female		6		25	
Total	11		18	50	
(a) Complete the One of these stud		t random.		(3)	
(b) Find the prob	bability that this	student is male and	studies Law.		
(b) Find the prot	bability that this	student is male and	studies Law.	(2)	Q14
(b) Find the prob	bability that this	student is male and	studies Law.	(2) (Total 5 marks)	Q14
(b) Find the prob	bability that this	student is male and	studies Law.		Q14



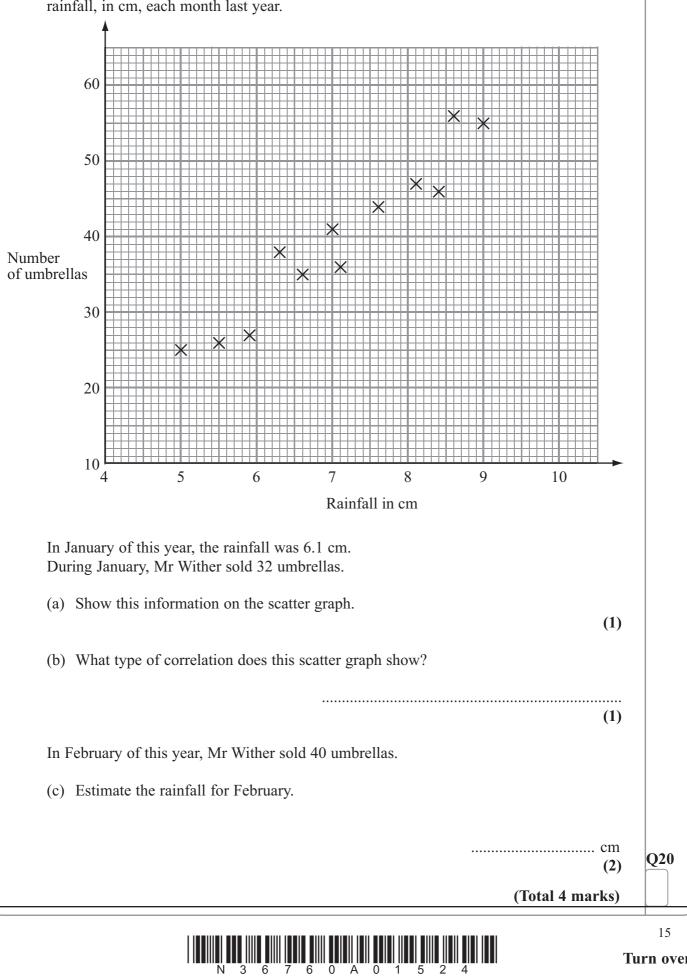


Train	Α	В	С	D	E	F
Birmingham	06 35	07 00	07 15	07 30	07 45	08 00
London	08 09	08 39	08 48	09 04	09 59	09 39
(a) Which train	takes more	e than 2 hou	rs to go from	n Birmingh	am to Lond	on?
						(1)
(b) Work out the London.	he number	of minute	s taken by	train D to	go from H	Birmingham to
						minutes (2)
Paula has to go t She will catch or She needs to arri	ne of the si	x trains from	n Birmingha	am.		
(c) Write down	the latest t	rain that she	can catch.			
					•••••	(1)
					()	Total 4 marks)
		1 /	2		× ×	,
	11-44	work out —	5 . 0 . 1 5			
(a) Use your ca	lculator to	1.	5+2.45			
Write down	all the figu	ires on your	calculator o	lisplay.		
(a) Use your caWrite downYou must gi	all the figu	ires on your	calculator o	lisplay.		
Write down	all the figu	ires on your	calculator o	lisplay.		
Write down	all the figu	ires on your	calculator o	lisplay.		
Write down	all the figu	ires on your	calculator o	lisplay.		(2)
Write down You must gi	all the figu ve your an	ires on your swer as a de	calculator c			(2)
Write down You must gi	all the figu ve your an	ires on your swer as a de	calculator c			(2)
Write down	all the figu ve your an	ires on your swer as a de	calculator c			(2)



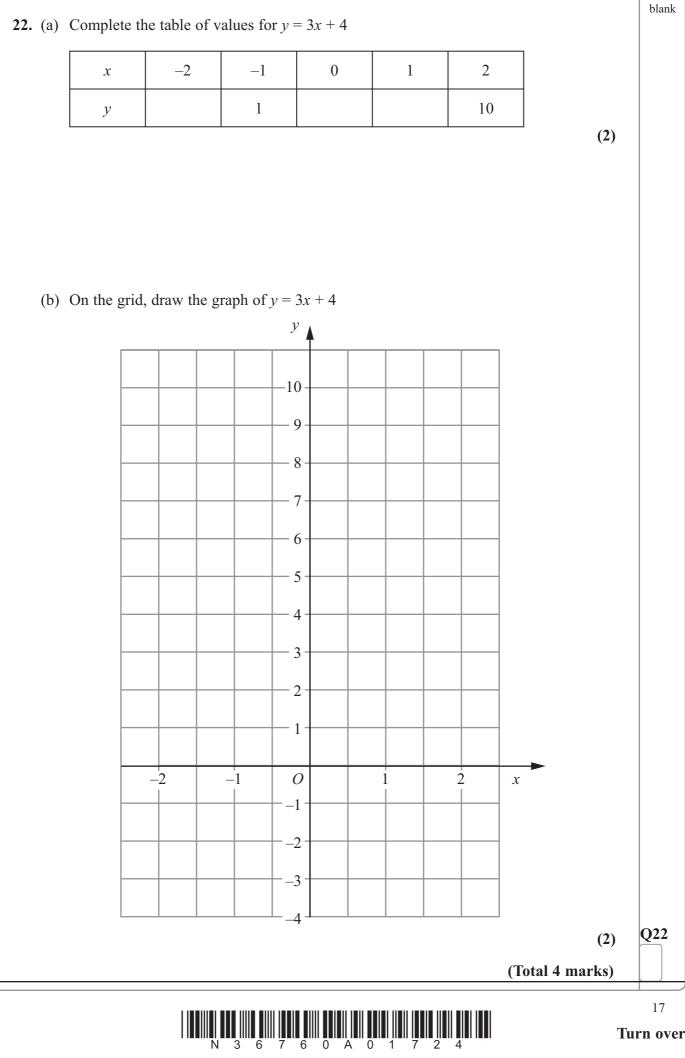
20. Mr Wither sells umbrellas.

The scatter graph shows some information about the number of umbrellas he sold and the rainfall, in cm, each month last year.

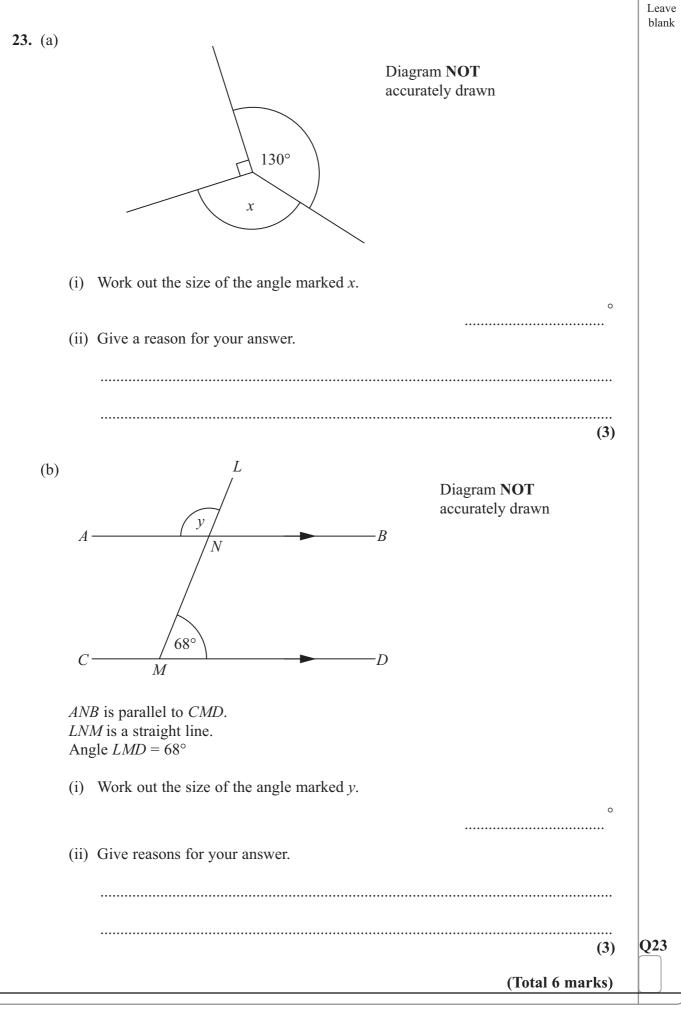


Leave blank

21. In August 2008, Eddie hired a car in Italy.	Leave
The cost of hiring the car was £620 The exchange rate was $\pounds 1 = \pounds 1.25$	
(a) Work out the cost of hiring the car in euros (\in).	
€	
(2)	
Eddie bought some perfume in Italy.	
The cost of the perfume in Italy was €50 The cost of the same perfume in London was £42	
The exchange rate was still $\pounds 1 = \pounds 1.25$	
(b) Work out the difference between the cost of the perfume in Italy and the cost of the perfume in London. Give your answer in pounds (£).	
£	Q21
(Total 5 marks)	



Leave



Leave blank

24. The equation

 $x^3 + 10x = 25$

has a solution between 1 and 2

Use a trial and improvement method to find this solution. Give your answer correct to one decimal place. You must show **all** your working.

N 3 6 7 6 0 A 0 1 9 2 4

Q24

x =

(Total 4 marks)

	Green	Red	Yellow	White
Probability	0.15	0.30		0.35
) Work out the	probability that a r	ibbon chosen at	random will be ve	llow.
,	r		, in the second s	
				(2)
here are 500 ribb	oons in the box.			
) Work out the	number of red ribb	ons.		
				(2)
				(2) (Total 4 marks)

