FOR OFFICIAL USE			

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KU	RE
2 5	
Tota	l Marks

## 2500/401

NATIONAL QUALIFICATIONS 2006 FRIDAY, 5 MAY 9.00 AM - 9.20 AM

## MATHEMATICS STANDARD GRADE

Foundation Level Paper 1 Non-calculator

Fill in these boxes and read what is printed below	
Full name of centre	Town
Forename(s)	Surname
Date of birth Day Month Year Scottish candidate number	Number of seat
Answer as many questions as you can.	
2 Answer as many questions as you can.	
3 Write your working and answers in the spaces pr the end of this question-answer book for use if clearly the number of the question involved.	
4 Full credit will be given only where the solution co	ntains appropriate working.
5 Before leaving the examination room you must gi not, you may lose all the marks for this paper.	ve this book to the invigilator. If you do





		Marks	KU	1
Work out the answers to the following.				
(a) $2315 + 478$				
WORKING				
ANSWER		1		1
(1) (4.47.) [				
$(b)  \text{£} 4.17 \times 5$				
WORKING				
ANSWER £		1		]
(c) 50% of 164 metres				
WORKING				
ANSWER	metres	2		

-				 Marks	KU	RE
. Gillian and Davi	d had a meal in a café.					
	Chicken salad Fish and chips Water Tea	TOTAL	£4·50 £4·75 £0·70 £0·85			
(a) Work out the	he total bill.					
WORKING						
ANSWER	£			1		
This is his	had a meal in the café. bill. has been torn off.					
	Salmon salad Ice cream and fruit Coffee	TOTAL	£1·75 £0·90 £6·95			
Work out the	he cost of the salmon salad.					
WORKING						
ANSWER	£			3		

	Marks	KU
The pie chart below shows the attendance of a class one Monday.		
Class Attendance		
Key		
Absent		
Present		
(a) What fraction of the class is absent?		
(a) What traction of the class is absent.		
ANSWER	1	
(b) There are 32 pupils on the class register.		
How many pupils are absent?		
Tion many papers are absent.		
WORKING		
		i
ANSWER	3	
ANSWER pupils	3	

	·	Marks	KU
(a) There are	four angles shown in the boxes below.		
Г			
·	(i) (ii)		
İ	(iii) (iv)		
L			
Which on	e is an acute angle?		
ANSWER	The acute angle is in box ( ).	1	
(b) Use a pro	tractor to measure the angle below.		
	·		
ANSWER	О	1	

KU RE Marks 5. Brian and his brother go to the local park. **SAFETY NOTICE** Total weight on seesaw must not be greater than 105 kg Brian weighs 48 kilograms and his brother weighs 54 kilograms. Can Brian and his brother play safely together on the seesaw? You must give a reason for your answer. WORKING ANSWER INCLUDING REASON

The chedo is e.	oming to town.		Marks	
Г				
	BIG TOP CI	RCUS	ı.	
•				
		7		
74		ן י ע		
Open	every day from 12th to 27	7 <sup>th</sup> October		
(a) For how i	many days is the circus open?			
WORKING			7	
	I			
			_	
ANSWER		days	2	
ANSWER		days	2	
(b) The circu	us is so popular that it stays in town			
(b) The circu	us is so popular that it stays in town date will the circus now finish?			
(b) The circu				
(b) The circu				
(b) The circu				
(b) The circu				
(b) The circu				
(b) The circu				
(b) The circu On what	date will the circus now finish?			
(b) The circu On what	date will the circus now finish?			

		Marks	KU	RE
Farmer Jack Shearer is on his small farm.	drawing a graph to show how many animals he has			
Part of the graph is sho	wn below.			
12 T				
10				
Number of 6 animals 4				
2	Cows Sheep Pigs Dogs Goats			
	Animals			
(a) How many sheep	are there on the farm?			
ANSWER	sheep	1		
W. S.	of animals on the farm is 34.			
WORKING				
		3		
	[END OF QUESTION PAPER]	J		

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F

KU	RE
1	
Tota	l Marks

## 2500/402

NATIONAL QUALIFICATIONS 2006 FRIDAY, 5 MAY 9.40 AM - 10.20 AM MATHEMATICS STANDARD GRADE Foundation Level Paper 2

Fill in these boxes and read what is printed below.						
Full name of centre	Town					
Forename(s)	Surname					
Date of birth Day Month Year Scottish candidate number	Number of seat					
1 You may use a calculator.						
2 Answer as many questions as you can.						
Write your working and answers in the spaces provided. Additional space is provided at the end of this question-answer book for use if required. If you use this space, write clearly the number of the question involved.						
4 Full credit will be given only where the solution conf	Full credit will be given only where the solution contains appropriate working.					
5 Before leaving the examination room you must give this book to the invigilator. If you do not, you may lose all the marks for this paper.						





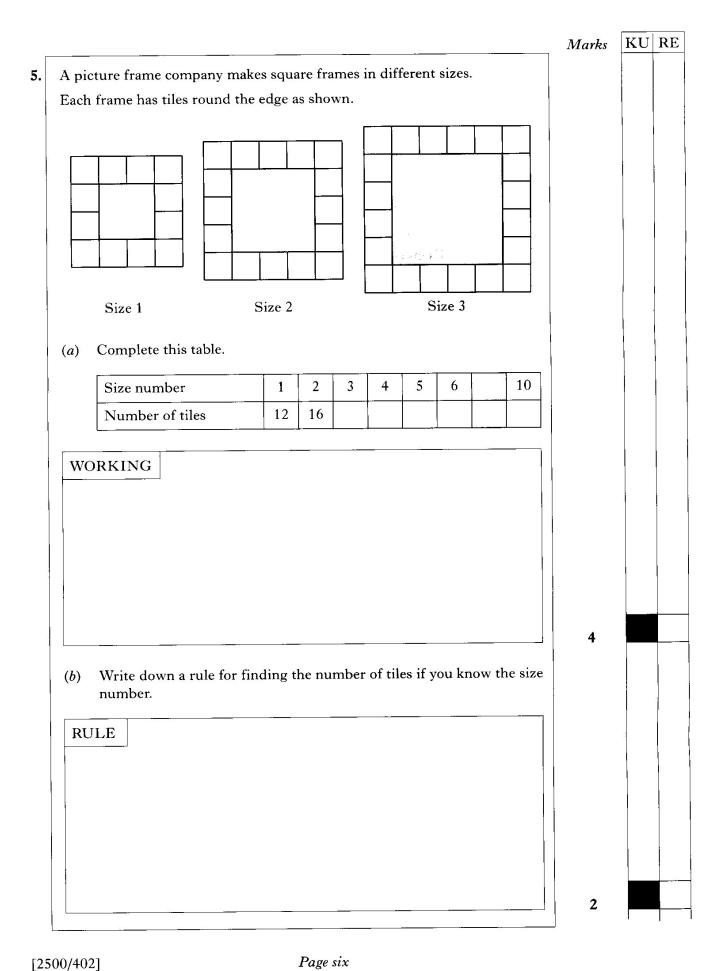
Mr and Mrs Sn	nith and their two children, aged 14 and 10, are planning a	Marks	KU RE
ski holiday. This table show	s the prices.		
	Cost per person		
Adult	£950		
Child : over 12	£625		
Child: 12 or u	nder £375		
Work out the to	tal cost of their holiday.		
WORKING			
ANSWER	£	3	

1.

The broken line	is an axis of symmetry.		
Complete the dia			
	8		
	<del> </del>		
		4	

			Marks	
Ian belongs to a running clu	b.			
hours.	running at 1830 hours and finished	es at 2100		
For how long did Ian r	run?			
WORKING				
				i e
ANSWER	hours	minutes	1	
	speed of 6 miles per hour.	minutes	1	
(b) He runs at an average	speed of 6 miles per hour.	minutes	1	
(b) He runs at an average what distance did Ian	speed of 6 miles per hour.	minutes	1	
(b) He runs at an average what distance did Ian	speed of 6 miles per hour.	minutes	1	
(b) He runs at an average what distance did Ian	speed of 6 miles per hour.	minutes	1	
(b) He runs at an average what distance did Ian	speed of 6 miles per hour.			
(b) He runs at an average what distance did Ian	speed of 6 miles per hour.	minutes	2	
(b) He runs at an average what distance did Ian	speed of 6 miles per hour.			
(b) He runs at an average what distance did Ian	speed of 6 miles per hour.			

The scale be degrees Celsi		ows te	mpera	tures	in bo	oth d	egree	s Fahr	enheit	and	Marks	KU
	68	59 50	Degree	es Fah	renhe	eit 14	5	-4				
	20	<del>     </del> 15 10		0 rees C		<b>-1</b> 0	<del>-</del> 15	<del></del>				
(a) Use the	scale to	change	e 5° Fa	hrenh	neit in	to de	grees	Celsius	s. ° Cels		1	
(b) The ten											-	
WORKING		w man	y degre				The ter	прегас	ure ran	3.		
ANSWER								o ]	Fahrenl	neit	3	



		Marks	KU
Brad has 10 goldfish.			
The weight, in grams, of each goldfish is listed below.			
<b>58 64 66 67 70 73 73 74 83 92</b>			
(a) Write down the mode.			
ANOMED		1	
ANSWER g	rams	1	_
(b) Calculate the mean weight of a goldfish.	:		
WORKING			İ
ANSWER g	rams	4	

		Narks	NU	KE
7.	Calculate the area of the triangle shown below.			
	3·2 cm			
	WORKING			
				5
	·			9
	ANSWER square centimetres	3		
- 1			1	

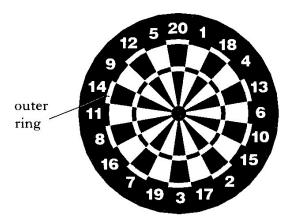
A bottle of wine cont	ams / JU minimites.	I		
(a) Six glasses can one bottle of wi	be filled from	WINE 750 ml		
How much w glass contain?	rine does each			
WORKING				
ANSWER		millilitres	2	
MINOWER		IIIIIIIII	2	
11180				
Each person wi	pany is organising a dinner p ll be served with 2 glasses of tles of the wine will be neede	wine.		
Each person wi	ll be served with 2 glasses of	wine.		
Each person wi	ll be served with 2 glasses of	wine.		
Each person wi	ll be served with 2 glasses of	wine.		
Each person wi	ll be served with 2 glasses of	wine.		
Each person wi	ll be served with 2 glasses of	wine.	2	
Each person wi	ll be served with 2 glasses of	wine.	2	
Each person wi	ll be served with 2 glasses of	wine.	2	

Marks

KU RE

**9.** The diagram below shows a dartboard.

When a dart lands in the outer ring, you score double points.



For example, the dart shown below has landed in **double 15**, giving a score of **30** points.



(continued)						
Irene is playing	a game of darts.					
To win the game	e using her last <b>2 dar</b>	ts, Irene need	ls to			
	otal of <b>19</b> points <b>louble</b> with her seco	nd dart.		·		
The table below	shows two ways that	Irene can wi	n			
First dart	Second dart	Total				E
1	double 9	19	1 + 18 = 19			
7	double 6	19	7 + 12 = 19			
	double	19				
	double	19				
	double	19				
	double	19				
	double	19				
	-					
Complete the ta	ble to show five othe	r ways that Ir	ene can win.		3	
WORKING					į	
						I

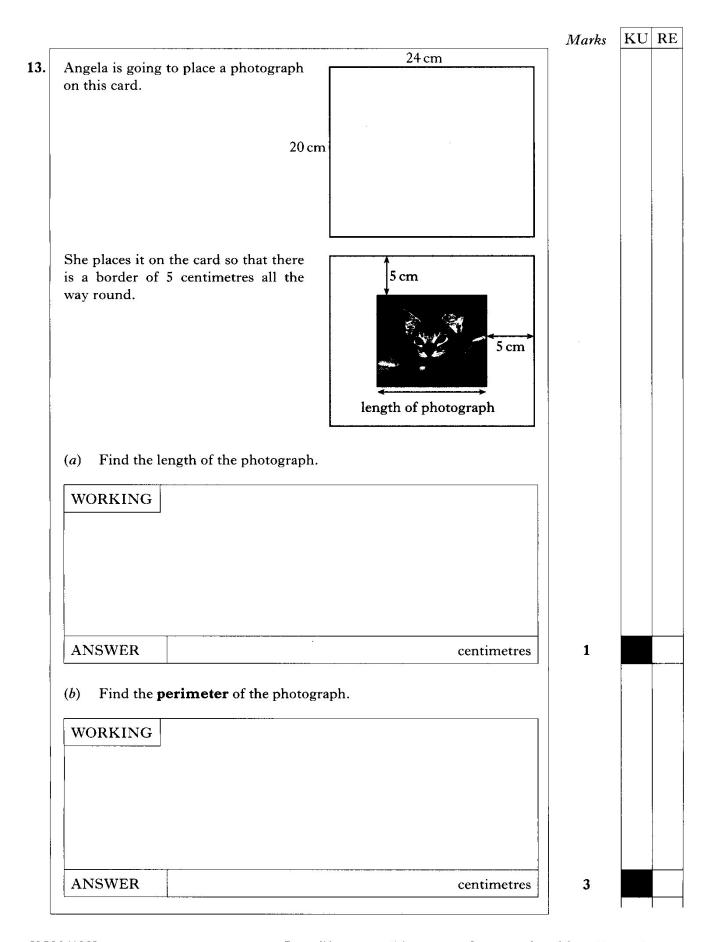
KU RE

Marks

	TUDENT DISCOUNT  5% off all marked prices		
How much v price of £360	would a student pay for a washing machine with a marked )?		
WORKING	3		
ANSWER	£	4	
ANSWER	£	4	
ANSWER	£	4	
ANSWER	£	4	
ANSWER	£	4	
ANSWER	£	4	

Anna wanta ta				1
	buy a DVD recorder.			
She sees the on	e she wants in two differ	ent shops.		
Electr	ical Direct	Roberts and Sons		
100	t of £70 and then syments of £15·25	Special Offer £399.9	9	, i
(a) How much	ch would it cost to buy	the DVD recorder in Elec	etrical	
Direct?	en would it cost to bu	the DVD recorder in Elect	ctricar	
WORKING				
	•			
ANSWER	£		3	
		order in Roberts and Sons	3	
(b) Anne dec		order in Roberts and Sons. g it in this shop?	3	
(b) Anne dec	ides to buy the DVD rec		3	
(b) Anne dec	ides to buy the DVD rec		3	
(b) Anne dec	ides to buy the DVD rec		3	
(b) Anne dec	ides to buy the DVD rec		3	
(b) Anne dec	ides to buy the DVD rec		3	
(b) Anne dec	ides to buy the DVD rec		3	

KU RE Marks 12. The top of a jewellery box is in the shape of two equal overlapping circles. A sketch of the top of the box is shown below. breadth 2 cm length The radius of each circle is 5 centimetres. The two circles overlap by 2 centimetres. Calculate the breadth of the jewellery box. WORKING 1 **ANSWER** centimetres (b) Calculate the length of the jewellery box. WORKING ANSWER centimetres 3



	Marks	KU R
Bilal has a set of building cubes of side 1 centimetre.		
He builds a cuboid 8 centimetres long, 3 centimetres broad and 3 centimetres high using <b>all</b> the cubes in the set.		
3 cm 8 cm		
Bilal then builds a different cuboid using <b>all</b> the cubes in the set.		
It is 4 centimetres long and 2 centimetres broad, as shown below.		
height 4 cm		
What is the height of this cuboid?		
WORKING		
ANSWER centimetres	4	
[END OF QUESTION PAPER]		