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KU	RE

2500/27/02

NATIONAL 2012

WEDNESDAY, 2 MAY QUALIFICATIONS 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 numbe	er Number of seat
1 You may use a calculator.	
2 Answer as many questions as you can.	
3 Write your working and answers in the spaces pro- the end of this question-answer book for use if re- clearly the number of the question involved.	vided. Additional space is provided at equired. If you use this space, write

- 4 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.





	Marks	; KU	F
Lorna can type 4 pages of text in 24 minutes. At the same rate, how many minutes will it take Lorna to type 7 pages?			
WORKING			
ANSWER m	ninutes 3		

	Marks	KU	RE
2. At 4 o'clock the hands of a clock make an angle of 120° as shown below.			
Calculate the size of the shaded angle.			
WORKING			
ANSWER	2		

Marks



3. Here is a calendar for the month of November.

Mon	Tue	Wed	Thu	Fri	Sat	Sun
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

(a) What day is November 15th?

ANSWER

(b) What day is December 11th?

WORKING	
ANSWER	

2

Marks KU RE

4.	Frank did a spe charity. He was sponsor He walked 16 m How much mos	onsored walk to raise money for red for \pounds 9 per mile. niles. ney did Frank raise for charity?		
	WORKING			
	ANSWER	£	2	

Marks

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KU RE

5. (a) Write the number 6735 in words.

ANSWER

(b) The numbers listed can be placed into the grid as shown.

Numbers	

56	1	7	3	2	
74	1	<i>,</i>	5		
217		3		1	
736	5	6		7	4
1732					

Place the numbers listed below into the grid shown.

Numbers

58			
63			
321			
571			
5161			

You may use the spare grids.



Marks

KU	RE	

6.	The population	of Glasgow is 58	80 000.		
	5% of the popuschool age.	ulation are chil	dren below		
	Calculate how school age.	many children	are below		
	WORKING				
	ANSWER			ch	ildren







Г		Marks	KU	RE
10.	The same mobile phone is sold in five different shops for the prices shown below.			
	£,70 £,77 £,85 £,93 £,110			
	Calculate the mean price of the mobile phone.			
	WORKING			
	ANSWER 4	4		

		Marks	KU R
Whe	en John started work, his company gave him an employee number.		
It w	ras 08 / 367 .		
This the 3	s indicated that he started as an employee in the year 2008 and he was 367th person employed by the company.		
Whe 10 /	en Sidra joined the company, she was given an employee number of 528 .		
<i>(a)</i>	In which year did Sidra join the company?		
	ANSWER	1	
<i>(b)</i>	Peter was the next person employed by the company.		
	He started one year after Sidra.		
	What was Peter's employee number?		
	WORKING		
	ANSWER	2	

			Marks	KU RI
The	top of a table tennis table is in the shape			
The	table has a breadth of 150 centimetres.			
1 110		1		
(a)	Write the breadth in metres.			
	WORKING			
	ANSWER metr	·es	2	
<i>(b)</i>	The table has a length of 2.7 metres.			
	Calculate the area of the top of the table in square metres.			
	WORKING			
	WORKING			
	ANSWER square metr	·es	2	
			2	







One way of making a total of 30 pence **using the coins in her purse** is shown in the table below.

Complete the table to show 5 other ways that Aileigh can make a total of 30 pence **using the coins in her purse**.

	Gyland		Contraction of the second seco	all and a set of the s
1	0	2	0	0
L	1		1	



Г		Marks	KU RE
15.	Boxes labelled A, B, C and D are placed on the scales as shown.		
	The boxes are then placed in order from lightest to heaviest . Label the boxes.		
	Lightest Heaviest		
	WORKING		
		3	

The formula b measurements in	elow is used to change measurements in inches to centimetres.		
Measurement	in centimetres = 254 × Measurement in inches ÷ 100		
Use the formula	to change a measurement of 70 inches to centimetres.		
WORKING			
ANSWER	centimetres	2	

		<i>Wiarrs</i>	KU I
(<i>a</i>)	A bookseller buys 200 books for $\pounds 4.20$ each. How much did the books cost him altogether?		
	WORKING		
	ANSWER £	2	
(b)	 He sells 120 of the books for £5.50 each and the remaining books for £3.50 each. Did he make a profit or a loss? You must give a reason for your answer. 		
	WORKING		
	ANSWER (WITH REASON)		
		4	
	[END OF OUESTION PAPER]		

[END OF QUESTION PAPER]