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F

KU	RE
T-4-1	Marke

2500/401

NATIONAL QUALIFICATIONS 2004 FRIDAY, 7 MAY 9.00 AM - 9.20 AM

MATHEMATICS STANDARD GRADE

Foundation Level Paper 1 Non-calculator

Г	ull name of centre	Town
Fc	orename(s)	Surname
	ate of birth Day Month Year Scottish candidate number	Number of seat
1	You may <u>NOT</u> 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 clearly the number of the question involved.	
4	Full credit will be given only where the solution cor	italis appropriate working.





		Marks	KU
Work out the answers to the following.			
(a) $402 + 159 + 73$			
WORKING			
ANSWER		1	
(b) 9.1 - 5.8			
WORKING			
WORKING			
ANICHID		1	
ANSWER		•	
(c) $\frac{1}{9}$ of 108			
WORKING			
	•		
ANSWER		2	

17.17		Marks	KU	Ļ]
Work out 50% o	of £17.			
WORKING				
ANSWER	£	2		
Mark works in	a cafe.			
	is $\pounds 4.32$ per hour.			
	works for 6 hours.			
How much is he	e paid?			
WORKING				
ANSWER	£	2		

A dispenser holds 1 litre of liquid soap.			
LIQUID SOAP			
1 litre			
Each time the dispenser is used 4 millilitres of soap comes out.			
How many times can the dispenser be used before the soap is fir	nished?		
WORKING			
ANSWER		3	

Marks

KU RE

			Marks	-	K
went on sale in A new issue go	be the issue number for	Issue Number 1 January 2004			
WORKING					
				1	
ANSWER	Issue Number		1		
	Issue Number l issue number 16 go on sale?		1		
(b) When wil			1		
(b) When wil			1		

		Ma	irks KU
	his motorbike for sale at £950.		
	buy it for £870.		
	a price exactly half way between £950 and £870.		
What price do	they agree on?		
WORKING			
			İ
			2
ANSWER	£		
THE TESUITS and	CAR BUS CYCLE WALK		
	pils travelled by car?		
WORKING			
ANSWER	pu	pils	3

The table show	s the charges	for car parking at an airport.		
	AIRPOR'	T PARKING CHARGES		
CAR P	ARK A	£6 per day		
CAR P	ARK B	£35 for any period up to 1 week plus £4 for each extra day		
(a) Calculate	the cost of pa	rking a car in car park B for 10 days.		
ANSWER	£		3	
(b) Farrah is ş Which car	going to park	her car at the airport for 6 days. be cheaper for her?	3	
(b) Farrah is g Which car Give a rea	going to park	be cheaper for her?	3	
(b) Farrah is ş Which car	going to park	be cheaper for her?	3	
(b) Farrah is g Which car Give a rea	going to park park would be	be cheaper for her?	3	
(b) Farrah is g Which car Give a rea	going to park park would be	be cheaper for her?	3	
(b) Farrah is g Which car Give a rea	going to park park would be	be cheaper for her?	3	

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KU	RE
Tota	l Marks

2500/402

NATIONAL QUALIFICATIONS 2004 FRIDAY, 7 MAY 9.40 AM - 10.20 AM MATHEMATICS STANDARD GRADE Foundation Level Paper 2

r u	Il name of centre Town
Fo	rename(s) Surname
	ate 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.
3	Write your working and answers in the spaces provided. Additional space is provided a 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 contains appropriate working.
•	

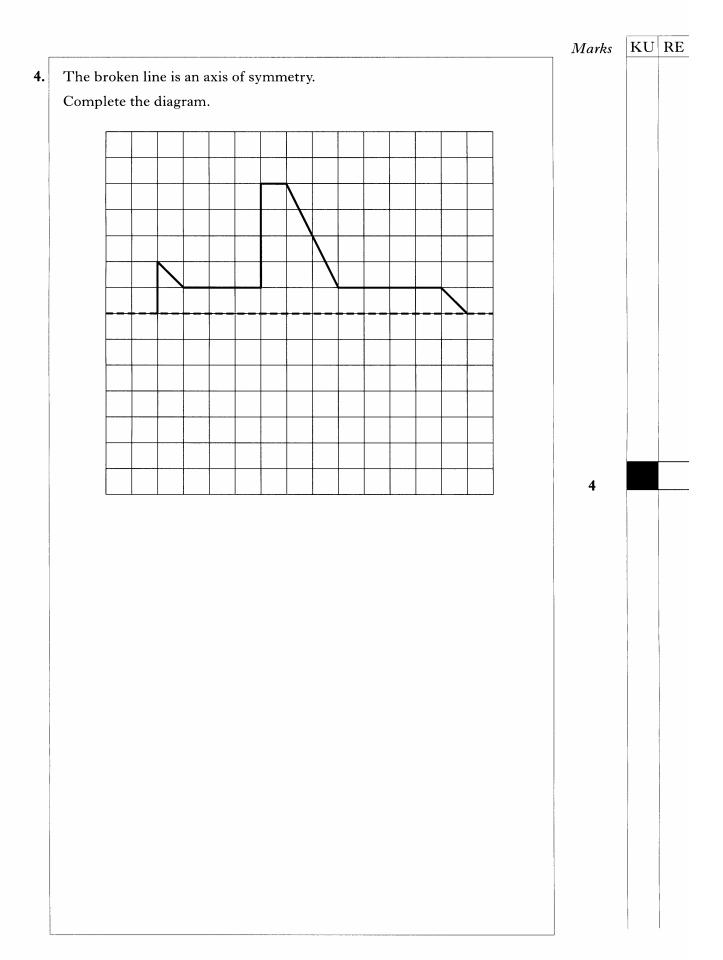




KU RE Marks Calculate the size of the shaded angle in the circle below. 1. 150° 110° WORKING 0 **ANSWER** 2

	Marks	KU	RE
These 3 coins are tossed at the same time.			
1995			
On landing, each coin can show head or tail.			
One possible result is shown on the table.			
1 1 2 2 0			
Head Head Tail			
Complete the table to show five other possible results.	3		
		i.	
		1	

				Marks	KU
D1 · · · 1	1				
This is a scale	drawing of a ch	est of drawers.			
	0	0			
	0	0			
	0	0			
	0	0			
	└				
	WI	DTH			
(a) Measur	e the width of t	he chest of drawers in	the drawing.		
ANSWER			centimetres	1	
		g is 1 centimetre repre of the chest of drawers	sents 15 centimetres.		No. of the control of
ANSWER			centimetres	2	
ANSWER			centimetres	2	
ANSWER			centimetres	2	



			***************************************							Marks	KU	RE
The	ages o	of a gro	oup of c	ollege	studen	ts are	listed below.					
	19	23	19	18	19	20						
	21	18	21	19	18	19						
(a)	Com	plete t	he frequ	uency	table fo	r thes	e ages.					
		Age	(years)		Tally		Frequency					
			18									
			19									
			20									
			2122			·						
			23									
										3		
(b) V	Vrite o	down t	he mod	e.								
AN	ISWE	R							years	1		
								•		1		

5.

KU RE Marks 6. The dimensions of a drop-leaf table are as shown. When the table is opened out the three sections form a rectangle. Find the area of this rectangle. WORKING **ANSWER** square centimetres 3

A model train goes round a			Marks	KU
track once every 10 seconds.				
How long does it take to go round the track 25 times?				
Give your answer in minutes and seconds.				
WORKING				
WORKING				
ANSWER	minutes	seconds	3	

	ence is made by j			with i	iengtr	is of v	vire.							
Each	h length of wire	is 2 me	etres.											
	Ц				Ц			Ш						
(a)	Complete this	table.												
	N. 1 C		Τ	Τ	Ι_		I _		1.1	7				
	Number of pos	- 1	3	4	5	6	7		11					
	Length of wire	2	4										4	
	(metres)	l		1		<u> </u>							7	
							c			1				
(1)	XX 7:4 1	1	C'	1:	41_ 1		Ot II	ure it	37011			1		
(<i>b</i>)	Write down a		or fin	ding 1	the le	ngth	OI W	110 11	you	KHO	w t	he		
(b)	Write down a number of pos		or fin	ding 1	the le	ength	01 W	iic ii	you	KHO	ow t	he		
	number of pos		or fin	ding 1	the le	ength	O1 W			KHO	ow t	he		
			or fin	ding 1	the le	ength	OI W			KHO	ow t	he		
	number of pos		or fin	ding t	the le	ength	O1 W		you	KHO	ow t	he		
	number of pos		or fin	ding 1	the le	ength	OI W		you	KHO	ow t	he		
	number of pos		or fin	ding 1	the le	ength	or w		you	KHO	ow t	the		
	number of pos		or fin	ding (the le	ength	or w		you	KHO	ow t	the		
	number of pos		or fin	ding t	the le	ength	OI W		you	KHO	ow t	the	2	
	number of pos		or fin	ding t	the le	ength	OI W		you	KHO	ow t	the	2	
	number of pos		or fin	ding t	the le	ength	OI W		you	KHO	w t	the	2	
	number of pos		or fin	ding t	the le	ength	OI W		you	KHO	w t	he	2	
	number of pos		or fin	ding t	the le	ength	OI W		you	KHO	w t	the	2	
	number of pos		or fin	ding t	the le	ength	OI W		you	KHO	w t	he	2	
	number of pos		or fin	ding t	the le	ength	OI W		you	KHO	w t	he	2	
	number of pos		or fin	ding t	the le	ength	OI W		you	KHO	w t	the	2	
	number of pos		or fin	ding t	the le	ength	OI W		you	KHO	w t	he	2	
	number of pos		or fin	ding t	the le	ength	OI W		you	KHO	w t	the	2	
	number of pos		or fin	ding t	the le	ength	OI W		you	KHO	w t	he	2	
	number of pos		or fin	ding t	the le	ength	OI W		you	KHO	w t	he	2	
	number of pos		or fin	ding t	the le	ength	OI W		you	KHO	w t	he	2	
	number of pos		or fin	ding t	the le	ength	OI W		you	KHO	w t	he	2	

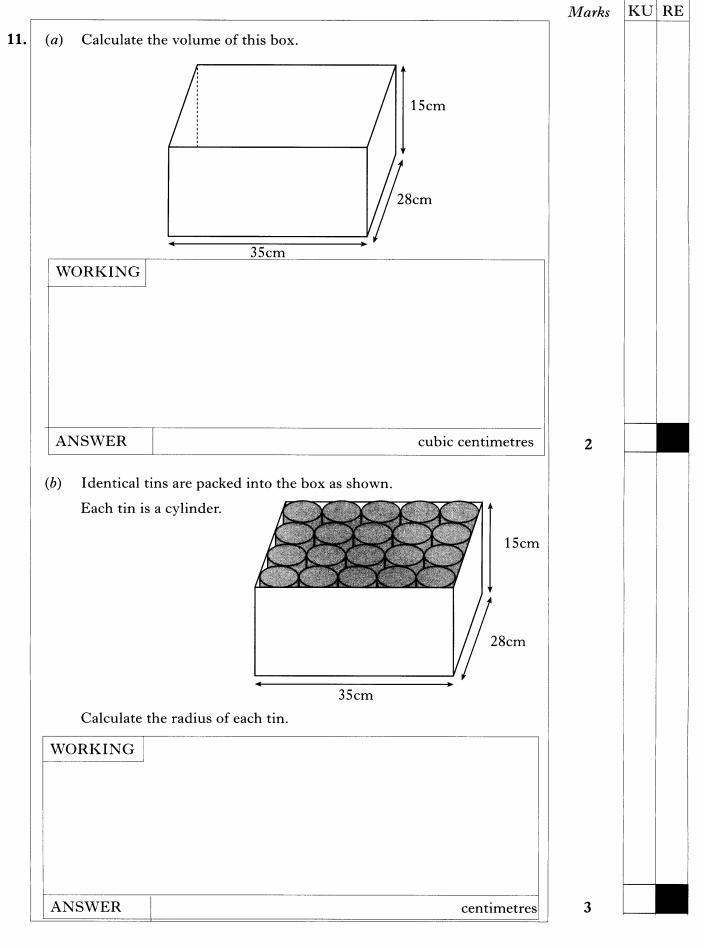
An art gallery s	sells prints of the pair	ntings which it has on display.		
a) The print	t shown below is an e	enlargement of the painting.		
	27cm			
₹ 36cm	' '	← Length		
PAINTI		PRINT		
ANSWER		centimetres	3	
ANSWER		centimetres	3	
ANSWER		centimetres	3	

															- 1
					<u>C</u>	GRID	GAI	ME							
				* Pay											
								a box se a w		ng box					
					~	, 		<u> </u>		· ·					
		9													
		8				Bill									
		7	Lucy							Kim					
		6													
		5						Jim							
		4									Pat				
		3					,								
		2		Jim											
		1													
			1												
			A	В	C	D		F	G	Н	I	J			
					С	D	E	F	G	Н	I	J			
((a) Alan Writ	chose	e box (C6.		D	E	F	G	Н	Ι	J		1	
(chose		C6.		D	E	F	G	Н	I	J		1	
(,		chose	e box (C6.		D	E	F	G	Н	I	J		1	
(4		chose	e box (C6.		D	E	F	G	Н	I	Ј		1	
(,		chose	e box (C6.		D	E	F	G	Н	I	Ј		1	
(.		chose	e box (C6.		D	E	F	G	Н	I	Ј		1	
(.		chose	e box (C6.		D	E	F	G	Н	I	Ј		1	
(,		chose	e box (C6.		D	E	F	G	Н	I	Ј		1	
(.		chose	e box (C6.		D	E	F	G	Н	I	Ј		1	
(.		chose	e box (C6.		D	E	F	G	Н	I	Ј		1	
(.		chose	e box (C6.		D	E	F	G	Н	I	Ј		1	
(,		chose	e box (C6.		D	E	F	G	Н	I	Ј		1	

KU RE

Marks

		Marks	KU	RE
(continued)				
	xes are sold and four winners get £2 each.			
How muc	h profit is made from the Grid Game?			
WORKING				
ANSWER	£	4		
		4		



(
(continued) (c) Each tin is 5 centimetres high.			
(c) Each tin is 5 centimetres high. How many tins can be packed into the box?	5cm		
WORKING			
ANSWER	tins	3	
		3	

Mr and Mrs	McLaughlin bought the bungalow described in the		
advertisement	below.		
	BUNGALOW		
	Lounge, Dining-room, 3 Bedrooms. Garage. Gas central heating. Offers over £129000		
	o more than the price in the advertisement.		
How much did	they pay?		
WORKING			
ANSWER	£	3	

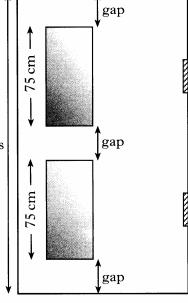
13. The height of this door is 2.1 metres.

It has two glass panels.

Each glass panel is 75 centimetres long.

Each of the three gaps shown in the diagram is the same length.

2·1 metres



Find the length of each gap.

WORKING

ANSWER centimetres

 $[END\ OF\ QUESTION\ PAPER]$