FOR OFFICIAL USE			

F

KU	RE
Tota	l Marks

2500/401

NATIONAL QUALIFICATIONS 2002 THURSDAY, 9 MAY 9.00 AM - 9.20 AM

MATHEMATICS STANDARD GRADE

Foundation Level Paper 1 Non-calculator

Ful	I name of centre		Town		
Foi	ename(s)		Surname		
	te of birth ay Month Year Scottish candidate	number	Number	of seat	
1	You may <u>NOT</u> use a calculator.				**************************************
2	Answer as many questions as you car	n,			
3	Write your working and answers in the the end of this question-answer book clearly the number of the question involved.	k for use if	ovided. "Add required." I	ditional spac f you use th	e is provided a his space, writ
4	Full credit will be given only where the	solution cor	ntains appro	priate worki	ng.
5	Before leaving the examination room not, you may lose all the marks for this	you must giv s paper.	ve this book	to the invig	ilator. If you d





		Marks	KU	K
Work out the answers to the following.				
(a) $12.8 + 0.7$				
WODKING				
WORKING				
	n.			
ANSWER		1		
		_		
$(b) 3.65 \times 100$				
WORKING				
WORKE				
ANSWER		1		
(c) $\frac{1}{5}$ of 85				
•				
WORKING				}
	#* *			
I .		1		
ANSWER		2		

Find 25% of £	1 84.		Marks	
WORKING				
	7			
ANSWER	£		2	
Kelly is runnir	ng in a 5000 metres race.			
She has run 32				
How far has sh	e still to run?			
WORKING				
ANSWER		metre	es 2	
		·.		
			1	

3	
3	

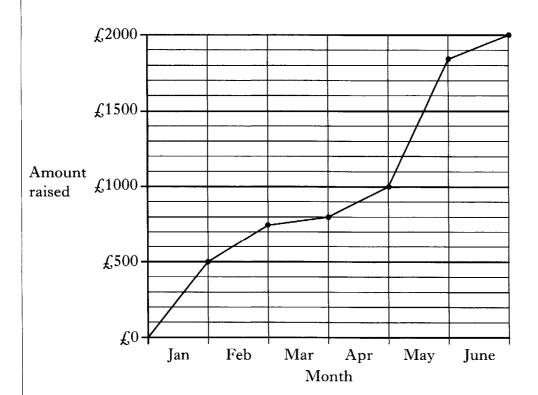
				<i>Warrs</i>	NU
29 pence	of Fizz orange juice cost each. cost of 10 cartons.	FIZZ			
WORKING		29	90		
ANSWER	£			3	
each cont	lso sold in special packs taining 3 cartons. secial packs cost 79 pence	FIZZ FIZZA			
	e least amount you must 0 cartons.	SPECIAL 3 PAC			
WORKING		·			
		,			

Marks

KU RE

6. Minstrel's Sports Club is raising funds.

The graph shows the amount raised.



By the end of January £500 was raised.

(a) How much was raised by the end of February?

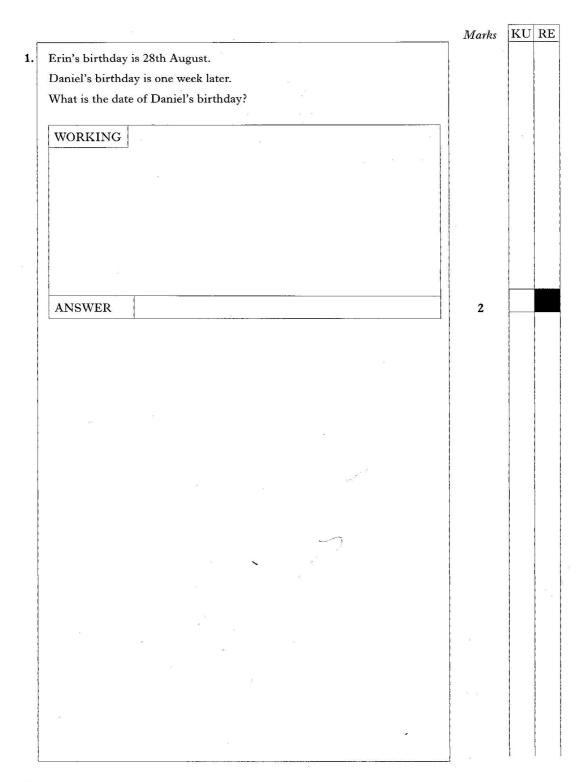
ANSWER	£	

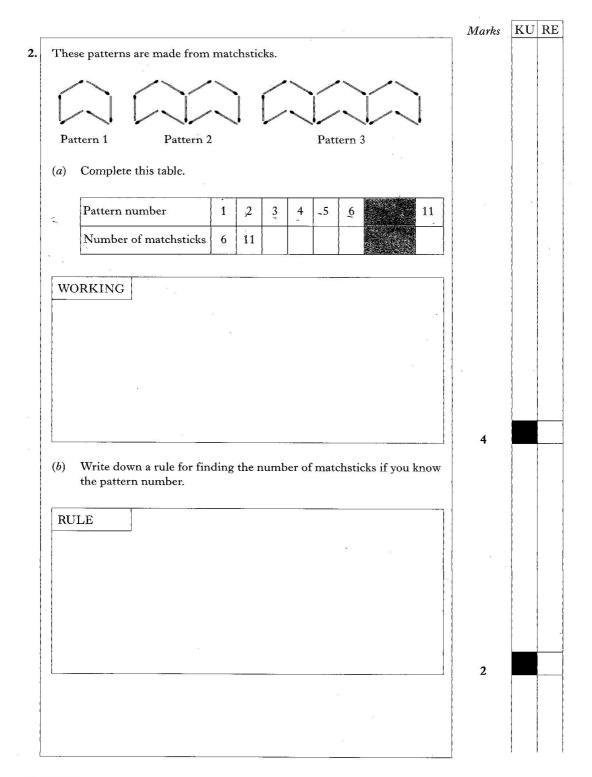
1

,			Marks	KU
(coı	ntinued)			
(b)	How much was raised during February?			
	WORKING			
	ANSWER £		2	
(c)	During which month was most money raised?			
	ANGWIDD			
	ANSWER		1	
		,		
		٨		
		* ·		
		× .		
		·.		
		·.		

				1
The table sho year.	ws a company's profit each	Year	Profit	
The company 1997 and 1998	's profit increased between	1997	£2000	
_	creased by the same amount	1998	£8700	
between 1998 Find the comp	and 1999. pany's profit in 1999.	1999		
WORKING				
WORKING				

[END OF QUESTION PAPER]

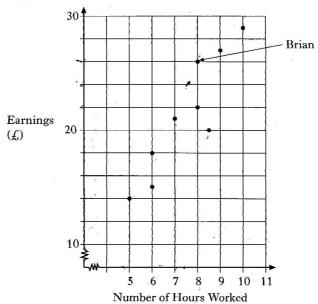




	hine usually costs £399.			
How much wou	ald it cost in the sale?			
WORKING		***		
ANSWER	£		4	
		*		
				ľ
		¥		
	ē.	,		
			-	
	e .			

4. Some students are asked about their part-time jobs.

The scattergraph shows how many hours they work and how much they earn each week.



(a) The arrow points to the dot which represents the number of hours Brian worked and how much he earned.

Write down how many hours Brian worked and his earnings.

ANSWER	Number of hours worked	
ANSWER	Earnings	£

(b) Jade works $7\frac{1}{2}$ hours a week and is paid £3.20 per hour.

Mark a dot on the scattergraph to show how many hours Jade worked and her earnings.

WORKING		

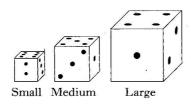
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Page five

[Turn over

5.



The table below shows some ways of scoring a total of 15 with three different dice.

Small	Medium	Large
-6	6.	3
6	5	4
. 5	6	4
,	F	
	2	

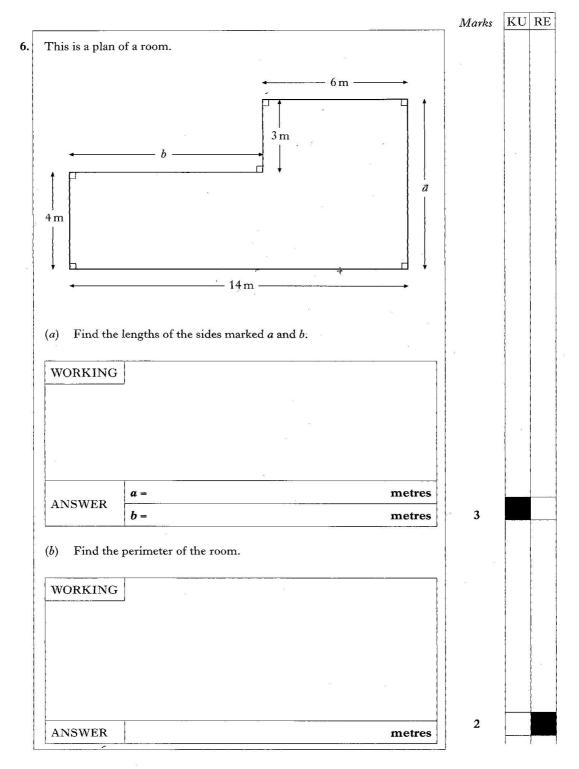
Complete the table to show five other ways of scoring a total of 15 with the three dice.

Small	Medium	Large
-6	6.	3
6	5	4
. 5	6	4
5"	E .	
	2	

KU RE Marks

3

6 + 6 + 3 = 15



Page seven

[Turn over

Marks The pattern below is made with tiles like the one shown here. Continue the pattern by adding three tiles to the diagram. YOU MAY USE THE EXTRA DIAGRAMS ON THE OPPOSITE PAGE FOR WORKING IF YOU WISH.

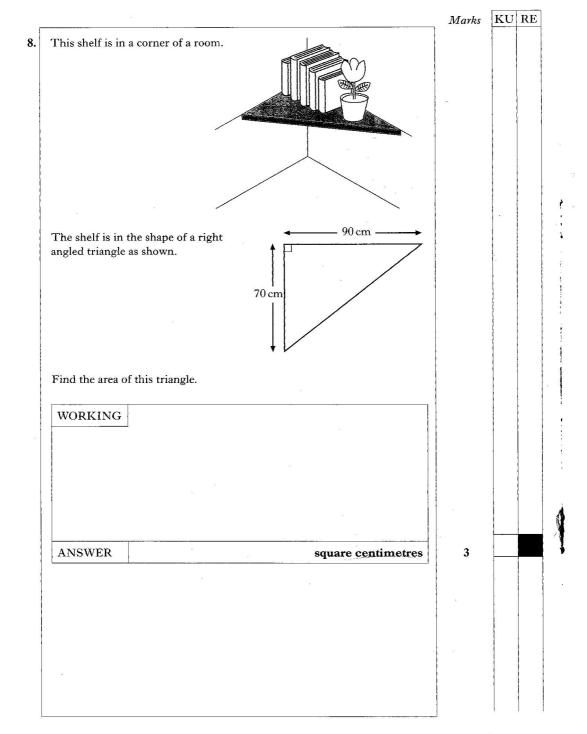
 $Page\ eight$

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KU RE

(continued) [2500/402] Page nine [Turn over

Marks KU RE

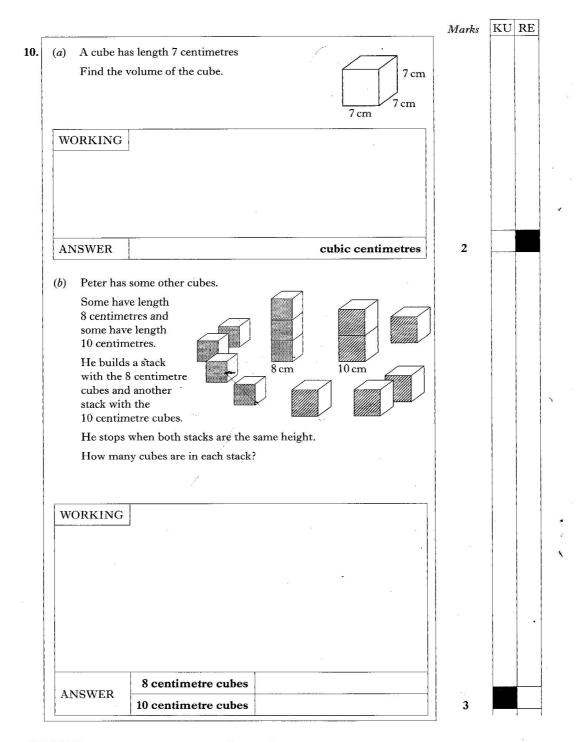


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¥)	-						Marks	KU
The number of	pupils in o	each clas	ss at May	ybelle Pr	imary Sch	ool is listed		
below.								
24	4 25 2	7 29	30 30	0 31				
(a) Write down	the mode							
(a) Write down	the mode							
ANSWER	2		12			pupils	1	
TH VS WER		2 2 22				pupiis	•	
(b) Find the me	ean numb	er of pup	oils in eac	ch class.				
WORKING								
								į
*								
		4.						
							94	
ANSWER		***************************************				pupils	4	
					77.1			
	anti							
							I .	

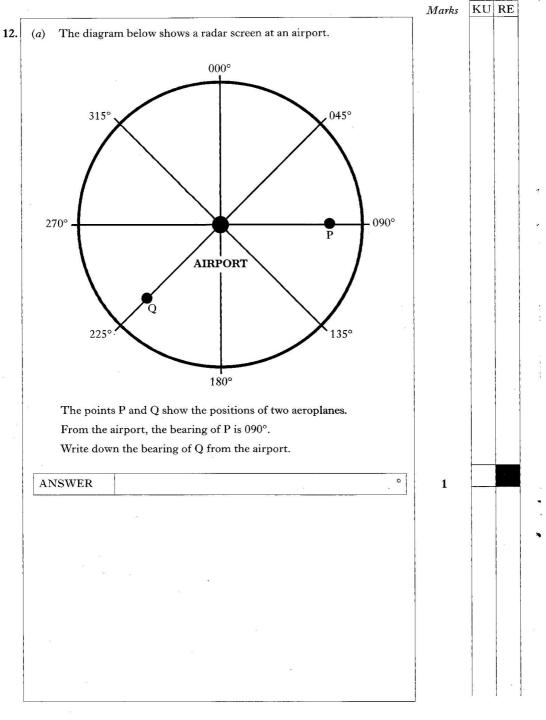
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[Turn over



Page twelve

Gary is making tea.					
He needs 200 millilitr	es of water for each	cup.			
How many cups of te water?	a can he make fron	n a kettle which l	nolds 1.8 litres of		
WORKING		-	,		
ANSWER	*		cups	4	
			10		
		5	2		
		6			
		e e			
			e e		
		ě			
			·		
¥					
tel					



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[Turn over for Question 13 on Page sixteen

[2500/402]

	Marks	KU R
A lorry is delivering bags of sand from a builder's yard to a sports ground.		
• The sports ground is 12 kilometres from the builder's yard. • The lorry can carry 30 bags at a time.		
a 2		
How many kilometres in total will the lorry have to travel to deliver 100 bags of sand and then return to the builder's yard?		
WORKING		
	12	
ANSWER kilometres	4	

 $[END\ OF\ QUESTION\ PAPER]$

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