FOR OFFICIAL USE			

F

	KU	RE
Paper 1		
Paper 2		
Total		

2500/401

NATIONAL QUALIFICATIONS 2011

WEDNESDAY, 4 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 numb	er 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 provide the end of this question-answer book for use if requelearly the number of the question involved.	
4 Full credit will be given only where the solution con	tains appropriate working.
5 Before leaving the examination room you must give not, you may lose all the marks for this paper.	e this book to the Invigilator. If you do





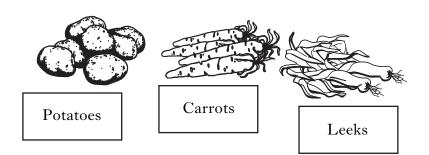
	Marks	KU	_
Work out the answers to the following. (a) $£3.82 \times 4$			
WORKING			
			_
ANSWER £	1		
(b) 835 – 416			
WORKING			
WORKITYO			
ANSWER	1		
(c) $\frac{1}{7}$ of 294	_		
7 01 251			
WORKING			
ANSWER	2		

 $[2500/401] \hspace{35pt} \textit{Page two}$

He shot at goal 76 times last season. How many goals did he score?			Marks	KU	R
WORKING ANSWED	Last season, a s shot at goal.	triker in a football team scored a goal 50% of the time he			
WORKING	He shot at goal	76 times last season.			
ANGWED	How many goal	s did he score?			
ANSWER goals 2	WORKING				
ANSWER goals 2					
	ANSWER	goals			
		gound	2		

KU RE

3. Fiona sells vegetables at the Farmers' Market.



The potatoes, carrots and leeks she sells can be

- Scottish
- English

The table below shows one possible combination when buying these vegetables.

Scottish	English	Scottish

Complete the table to show five other possible combinations.

3

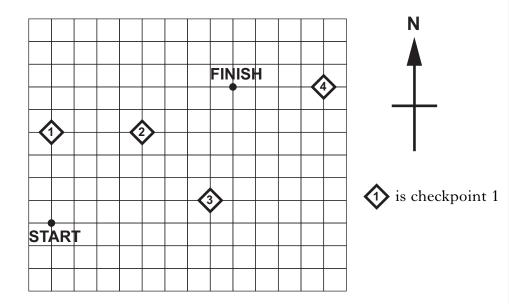
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Marks

KU RE

4. John is taking part in an outdoor training exercise.

His task is to travel from START to FINISH visiting **all** the checkpoints, **in order**, as shown in the diagram below.



John has been asked to write down the direction he is travelling at each stage of his journey.

John's list, part of the way through his journey, is shown below.

START, North, East, South-East,______, FINISH

Fill in the blanks to show John's entire journey.

2

Taiba has 17 bags of garden waste to take to her local recycling centre by car.		
Taiba's car can hold 3 bags at one time.		
How many trips will Taiba need to make to the recycling centre to dispose of all her garden waste?		
WORKING		
ANSWER trips	2	

KU RE

Marks

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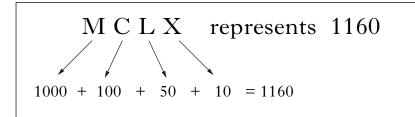
5.

6. Ancient Romans used letters to represent numbers.

The letters they used are shown below.

$$I = 1$$
 $V = 5$
 $X = 10$
 $L = 50$
 $C = 100$

$$D = 500$$
$$M = 1000$$



The number MDVI can be worked out in the same way.

What number does MDVI represent?

WORKING		
ANGWED		

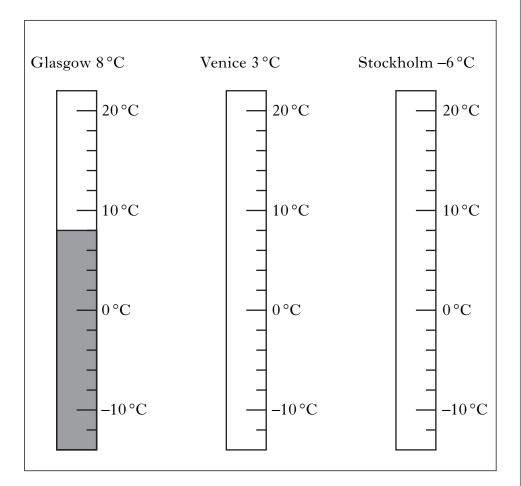
4

Marks

KU RE

7. Each day a hotel displays graphs showing the temperatures in some cities. The graph for Glasgow has been completed.

(a) Complete the graphs for Venice and Stockholm.



2

(b) How many degrees warmer is it in Venice than Stockholm?

WORKING	
ANSWER	°C

2

		Marks	KU	R
Ada	m's plane is due to depart at 1630.			
(a)	Write 1630 as a 12-hour time .			
	ANSWER	1		
(b)	The latest check-in time for Adam's flight is 1 hour 15 minutes before departure.			
	It takes 45 minutes to drive from Adam's house to the airport.			
	Adam leaves his house at 1410.			
	Will Adam be able to check in on time?			
	Give a reason for your answer.			
1176	DDIZING			
VVC	DRKING			
AN	ISWER INCLUDING REASON			
	10 11 21 21 22 22 21 10 21 22 22 21 1			
		4		

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