FOR OFFICIAL USE

F

KU	RE

Total Marks

2500/401

NATIONAL QUALIFICATIONS 2009

WEDNESDAY, 6 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

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 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 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.

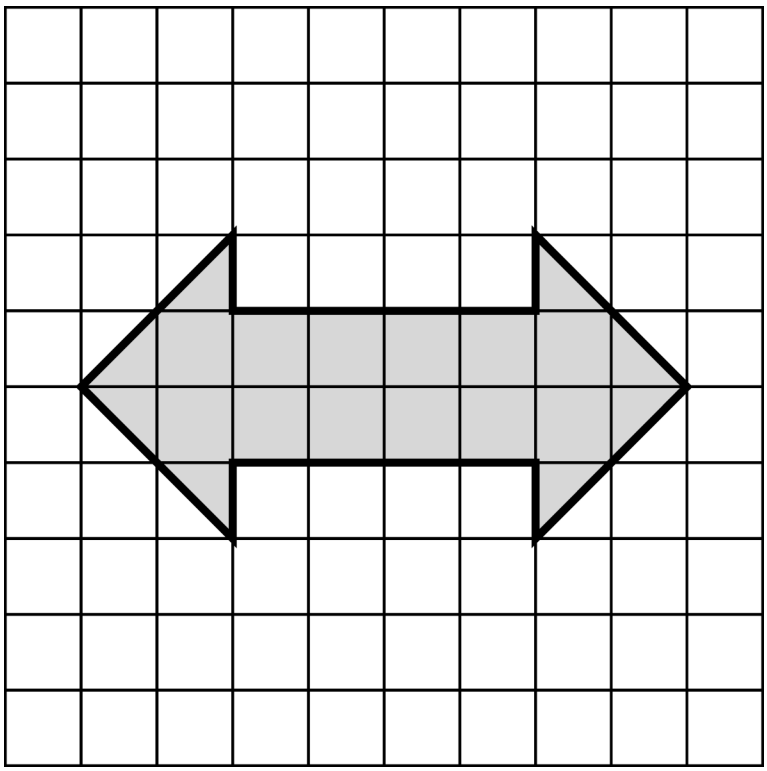
SQA ©

	Marks	KU	RE
1. Work out the answers to the following.			
(*a*) 2345 + 372			
WORKING			
ANSWER	**1**		
(*b*) £9·32 × 4			
WORKING			
ANSWER £	**1**		
(*c*) $\frac{1}{5}$ of 305			
WORKING			
ANSWER	**2**		

	Marks	KU	RE

2. Frank has drawn this shape on the grid below.

The grid is marked in square centimetres.



What is the area of the shape?

ANSWER	square centimetres	**2**		

	Marks	KU	RE
3. Round £23·25 to the nearest pound.			
ANSWER £	**1**		
4. Work out $33\frac{1}{3}\%$ of £30.			
WORKING			
ANSWER £	**2**		

	Marks	KU	RE

5. Nicola's mobile phone bill has arrived.

Due to a mark on the bill, one of the entries cannot be read.

TICK-TALK MOBILE

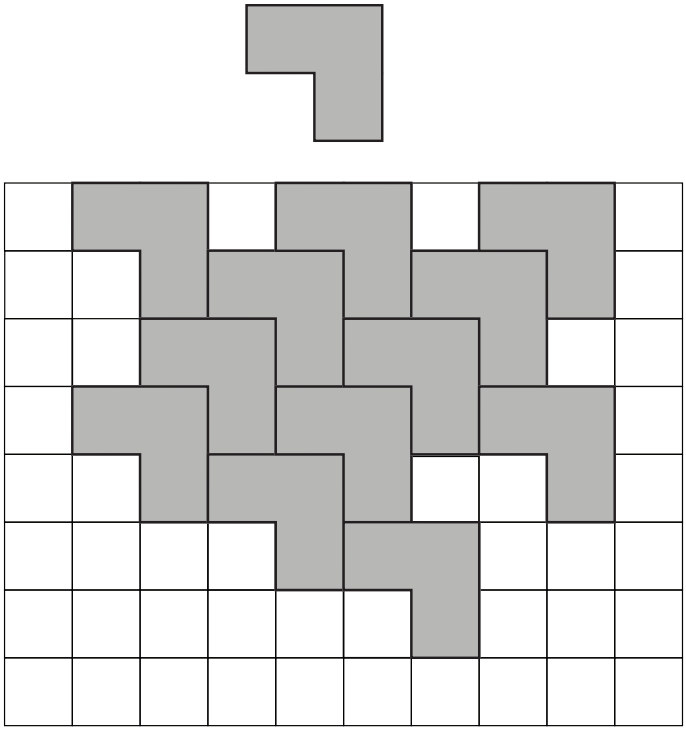
Date: 24 April 2009

Calls and Texts	£13·20
Value Added Tax	£ [illegible]
Total	£15·51

How much did Nicola pay in Value Added Tax?

WORKING	
ANSWER	£

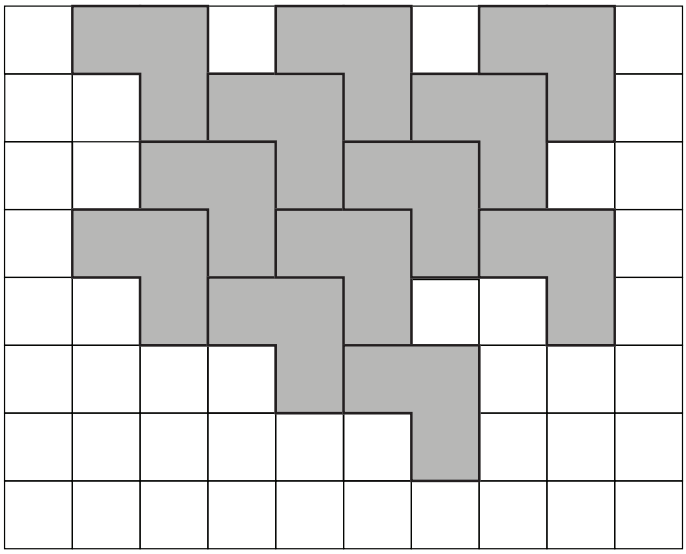
2

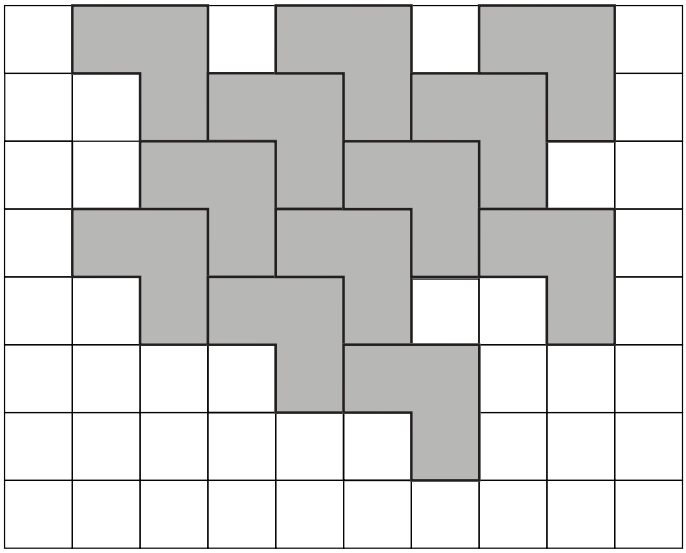
	Marks	KU	RE
6. The pattern below is made with tiles like the one shown here.			
. 			
Draw three more tiles to continue the pattern.	**3**		
You may use the extra diagrams on the opposite page for working if you wish.			

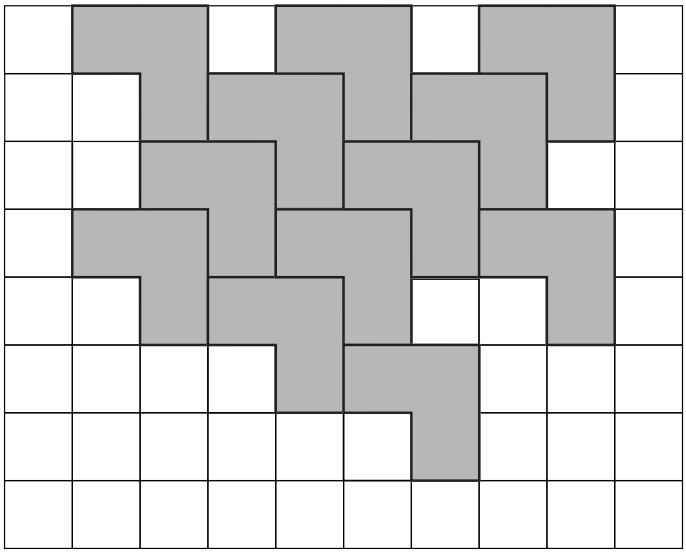
6. (continued)

Marks

KU	RE







	Marks	KU	RE

7. (*a*) Naveed arrives in the classroom for his maths lesson at 1.40 pm.
Write this as a 24-hour clock time.

WORKING	
ANSWER	

1

(*b*) During the lesson there is a fire drill.
Naveed is out of the classroom from 1.55 pm until 2.08 pm.
The maths lesson finishes at 2.35 pm.
How many minutes did Naveed spend in the classroom?

WORKING	
ANSWER	minutes

3

	Marks	KU	RE

8. (*a*) Paul Davidson has applied to join a swimming club.

He was born on the 12th August 1996.

On his application form he writes his date of birth as

12	08	96

His sister Elaine Davidson also applies to join the club.

She was born on the 16th April 1998.

Show how Elaine will write her date of birth on her application form.

ANSWER			

1

(*b*) Paul Davidson is given a membership code based on his name and date of birth.

His code is 12PD9608.

Write down the membership code for Elaine Davidson.

ANSWER	

2

[Turn over

	Marks	KU	RE

9. Jack is taller than Barry.

Barry is shorter than Robert.

Robert is shorter than Jack.

Write the name of each boy in the correct box.

WORKING

		3	

	Marks	KU	RE

10. John is doing his homework and spots a pattern.
The answers he gets to the first four questions are shown below.

	QUESTION		ANSWER
1.	1 ÷ 11	=	0·090909
2.	2 ÷ 11	=	0·181818
3.	3 ÷ 11	=	0·272727
4.	4 ÷ 11	=	0·363636

Write down the answer to the fifth question.

5. 5 ÷ 11 = ☐

2

[*END OF QUESTION PAPER*]