

FOR OFFICIAL USE

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F

KU RE

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Total Marks

**2500/402**

NATIONAL  
QUALIFICATIONS  
2008

THURSDAY, 8 MAY  
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

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Scottish candidate number

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Number of seat

- You may use a calculator.**
- Answer as many questions as you can.
- 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.
- Full credit will be given only where the solution contains appropriate working.
- 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	RE
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1. Peter pays 75p for 3 oranges in his local fruit shop.  
How much will Aisha pay for 5 oranges in the same shop?

WORKING
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ANSWER	£
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3

Marks

KU RE

2. The number of bananas sold each day in the school tuck shop was recorded over a three-week period.

The results are listed below.

7	8	9	6	9
4	5	9	7	6
8	7	6	7	7

Complete the frequency table.

<i>Number of Bananas</i>	<i>Tally</i>	<i>Frequency</i>
4		
5		
6		
7		
8		
9		

**3**

	KU	RE
4		
2		

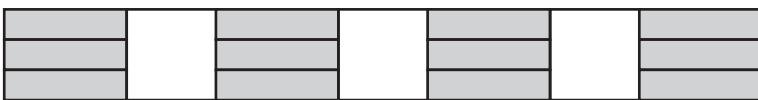
3. A tiled border can be made using a combination of squares and rectangles as shown.



**1 square**  
**6 rectangles**



**2 squares**  
**9 rectangles**



(a) Complete this table.

Number of squares	1	2	3	4	5	6		10
Number of rectangles	6	9						

**WORKING**

4

(b) Write down a rule for finding the number of rectangles if you know the number of squares.

**RULE**

2

Marks

KU RE

4. Steven has saved up £26. He is also given £59 by relatives for his birthday.

(a) How much money does Steven have altogether?

WORKING	
ANSWER	£

2

(b) Steven spends some of his money. He buys a computer game and a T-shirt.



**£39.99**



**£10.99**

Steven also wants to buy a ticket for a football match.

The ticket costs £30.

Can Steven afford to buy the ticket?

Give a reason for your answer.

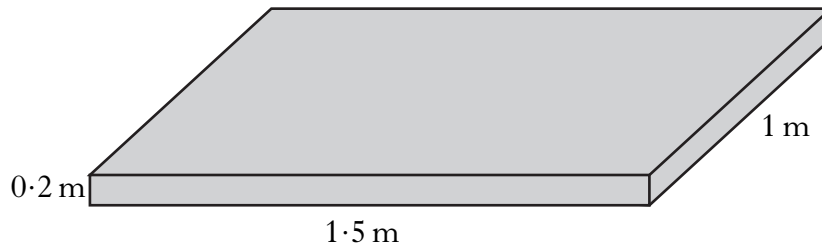
WORKING	
ANSWER (WITH REASON)	

4

Marks

KU RE

5. A furniture company delivers its furniture in flat packs.  
One flat pack is in the shape of a cuboid.  
The cuboid is 1.5 metres long, 1 metre broad and 0.2 metres high.



Find the volume of this cuboid.

WORKING

ANSWER

cubic metres

2

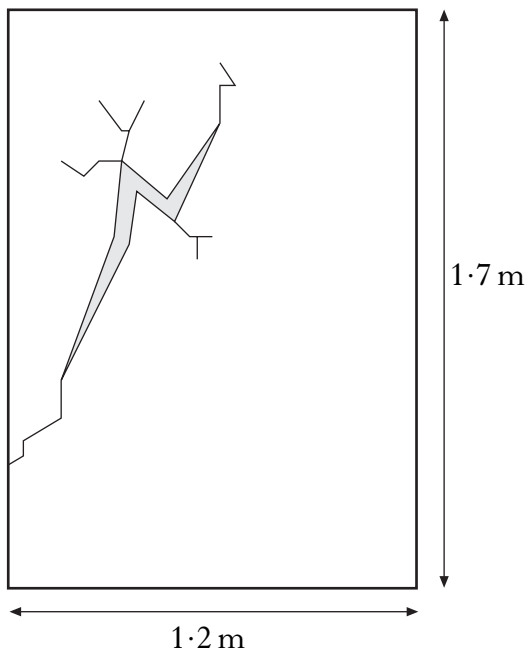






	KU	RE
2		
2		

8. Bill's window is broken. He needs to replace the glass.



(a) What area of glass will Bill need to buy?

WORKING	
ANSWER	square metres

2

(b) Glass costs £7.25 per square metre.  
How much will Bill pay for the glass?

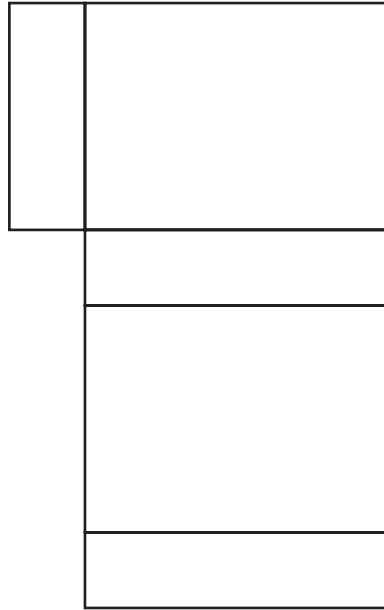
WORKING	
ANSWER	£

2

Marks

KU	RE
<b>1</b>	

9. Part of the net of a cuboid is shown below.

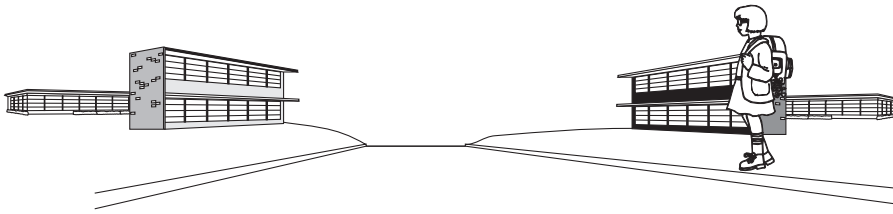


Complete the net.

Marks

	KU	RE
1		
2		
3		

10. Amy and Paul go to neighbouring schools.



Amy's lunchtime is from 12 45 to 13 30  
Paul's lunchtime is from 12 50 to 13 45

(a) Paul's lunchtime ends at 13 45.

Write this as a **12-hour time**.

ANSWER	
--------	--

1

(b) How long does Amy's lunchtime last?

WORKING	
ANSWER	minutes

2

(c) Paul and Amy like to spend as much of their lunchtime together as possible.

What is the maximum possible time that they can spend together at lunchtime?

WORKING	
ANSWER	minutes

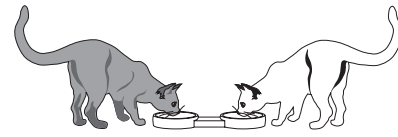
3

Marks

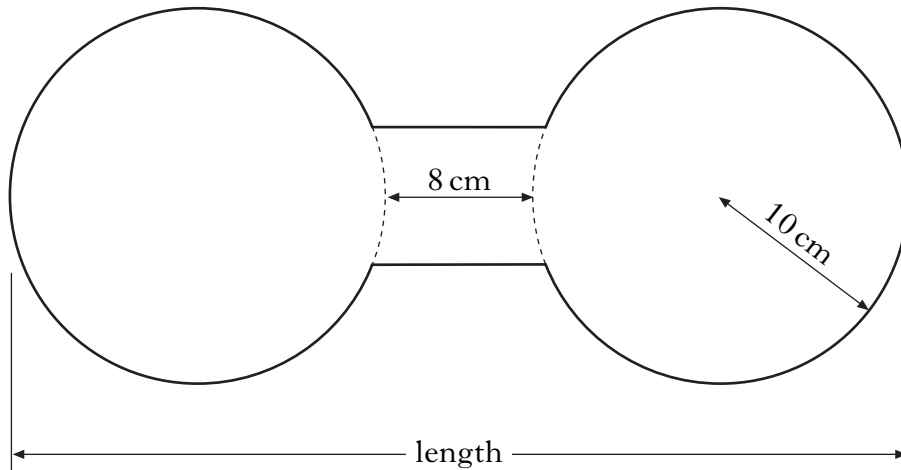
KU	RE

11. Leo has bought a dish for his cats, Puss and Boots.

The dish has two circular bowls joined by a straight section.



A sketch of the top of the dish is shown below.



The radius of each circle is 10 centimetres.  
The distance between the two circles is 8 centimetres.

Calculate the length of the dish.

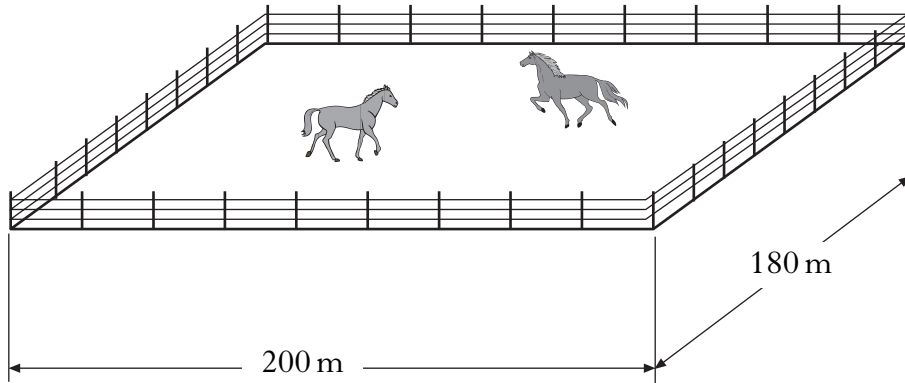
WORKING	
ANSWER	centimetres

3

Marks

KU	RE

12. Lorraine is going to put a fence around a rectangular field on her farm. The field is 200 metres long and 180 metres broad.



(a) Calculate the perimeter of the field.

<b>WORKING</b>	
<b>ANSWER</b>	metres

2

(b) Fencing is sold in 50 metre rolls.  
How many rolls must Lorraine buy?

<b>WORKING</b>	
<b>ANSWER</b>	rolls

3



13. (continued)

(c) The cost of each programme is shown below.

<b>SOAPY BUBBLE CAR WASH COMPANY</b>	
Programme	Cost
A	£1
B	£2
C	£3
D	£4
E	£5

How much money did the Car Wash Company take in during the week?

<b>WORKING</b>	
<b>ANSWER</b>	£

4



Marks

KU RE

14. Compared to some meats, turkey has a low fat content.  
A nutrition label on a turkey on sale in a supermarket states:

Contents per 100 grams	
PROTEIN	19.9 grams
FAT	8.8 grams
SALT	0.1 grams

How many grams of fat are there in a 6 kilogram turkey?

WORKING

ANSWER

grams

4

[END OF QUESTION PAPER]