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KU	RE
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	Scottish candidate number	Number of seat
Day Month Year		

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 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.



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	
ANSWER	£

Marks	KU	RE
3		

[illegible]

- The results are listed below.

Complete the frequency table.

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

3

[illegible]

- | | | |
|--|--|--|
| | | |
| | | |
| | | |
| | | |

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

[illegible]

- (a) How much money does Steven have altogether?

WORKING	
ANSWER	£

-

£10.99

Give a reason for your answer.

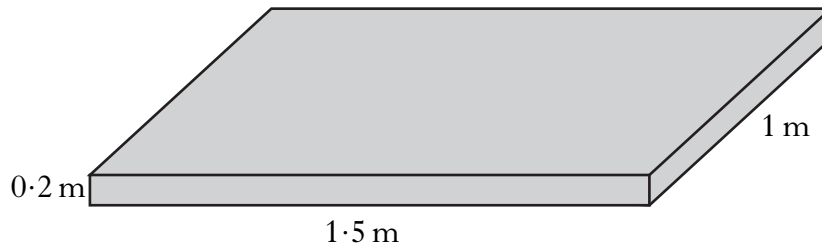
WORKING	
ANSWER (WITH REASON)	

Marks

KU	RE
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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

[illegible]

- GOLDEN SAVER ACCOUNT**

Interest Rate: 3% per year

WORKING	
ANSWER	£

[illegible]

- | | |
|---------|------|
| WORKING | |
| ANSWER | days |

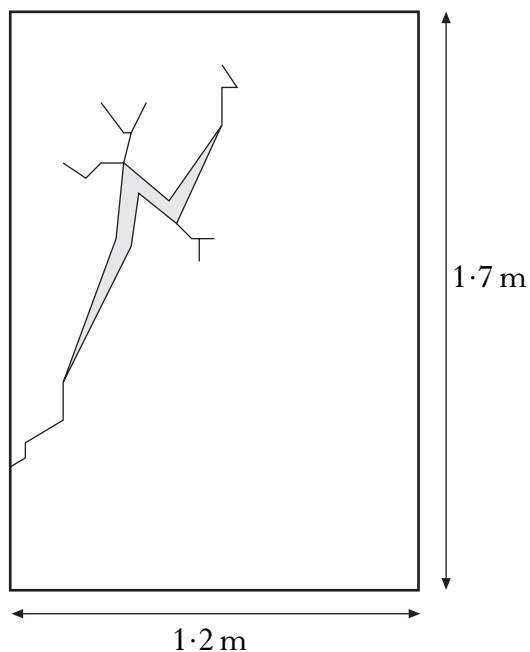
4

Marks

KU

RE

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

$\mathcal{L}$

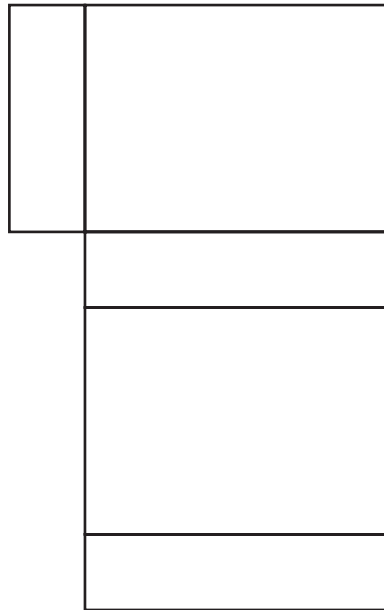
2

Marks

KU	
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RE

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



Complete the net.

1

[illegible]

-
- A black and white line drawing of a school building. The building has a central section with a flat roof and two wings extending outwards. A student with a backpack is walking on a path in the foreground, looking towards the building.

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

ANSWER	
--------	--

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

WORKING	
ANSWER	minutes

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

WORKING	
ANSWER	minutes

3

Marks

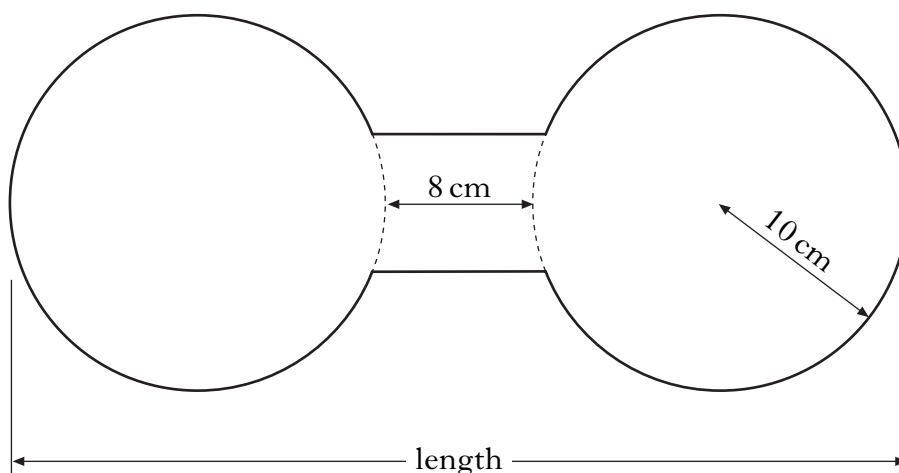
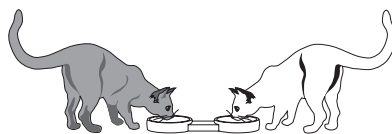
KU

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.

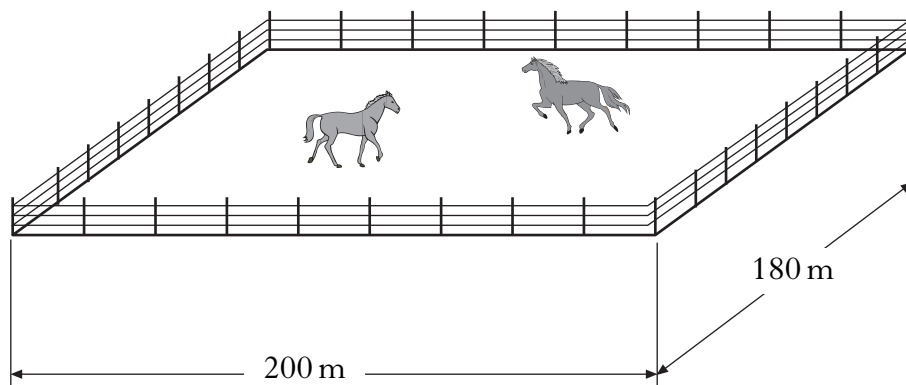
WORKING

ANSWER

centimetres

3

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.

WORKING

ANSWER

metres

2

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

WORKING

ANSWER

rolls

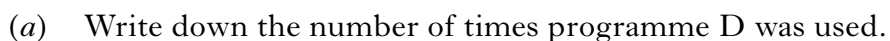
3

Marks

KU RE

[illegible]

- The graph below shows how often programmes A, B, C and D were used in a one week period.



1

- 1

[illegible]

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

SOAPY BUBBLE CAR WASH COMPANY	
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?

WORKING	
ANSWER	£

4

[illegible]

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

WORKING	
ANSWER	grams

4