

FOR OFFICIAL USE

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**F**

KU	RE

Total Marks

**2500/401**

NATIONAL  
QUALIFICATIONS  
2006

FRIDAY, 5 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

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Scottish candidate number

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Number of seat

- 1 You may NOT 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. Work out the answers to the following.

(a)  $2315 + 478$

WORKING

ANSWER

(b)  $£4.17 \times 5$

WORKING

ANSWER

£

(c) 50% of 164 metres

WORKING

ANSWER

metres

Marks

	KU	RE
1		
1		
2		

Marks

KU	RE
1	
3	

2. Gillian and David had a meal in a café.  
This is their bill.

Chicken salad	£4.50
Fish and chips	£4.75
Water	£0.70
Tea	<u>£0.85</u>
TOTAL	<u>£ .</u>

- (a) Work out the total bill.

WORKING	
ANSWER	£

- (b) Walter also had a meal in the café.  
This is his bill.  
The corner has been torn off.

Salmon salad	
Ice cream and fruit	£1.75
Coffee	<u>£0.90</u>
TOTAL	<u>£6.95</u>

Work out the cost of the salmon salad.



WORKING	
ANSWER	£

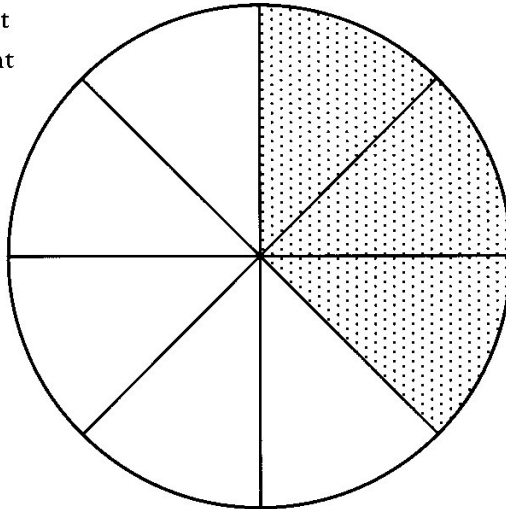
Marks

KU	RE
1	
3	

3. The pie chart below shows the attendance of a class one Monday.

**Class Attendance**

**Key**  
 Absent  
 Present



(a) What fraction of the class is absent?

ANSWER	
--------	--

1

(b) There are 32 pupils on the class register.  
How many pupils are absent?

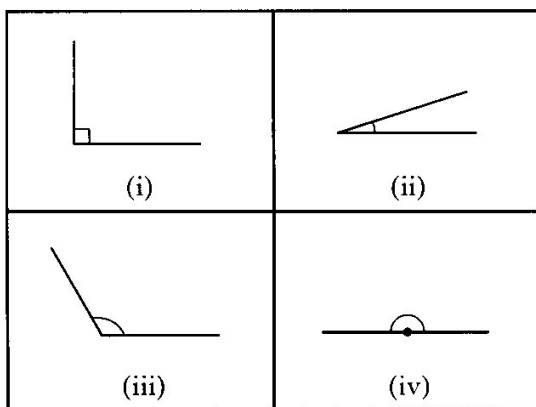
WORKING	
ANSWER	pupils

3

Marks

KU	RE
1	
1	

4. (a) There are four angles shown in the boxes below.

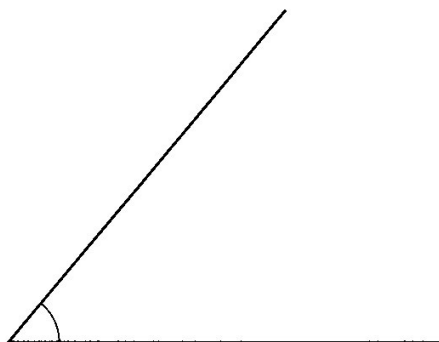


Which one is an acute angle?

ANSWER	The acute angle is in box ( ii ).
--------	-----------------------------------

1

(b) Use a protractor to measure the angle below.



ANSWER		°
--------	--	---

1









FOR OFFICIAL USE

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**F**

KU	RE

Total Marks

**2500/402**

NATIONAL  
QUALIFICATIONS  
2006

FRIDAY, 5 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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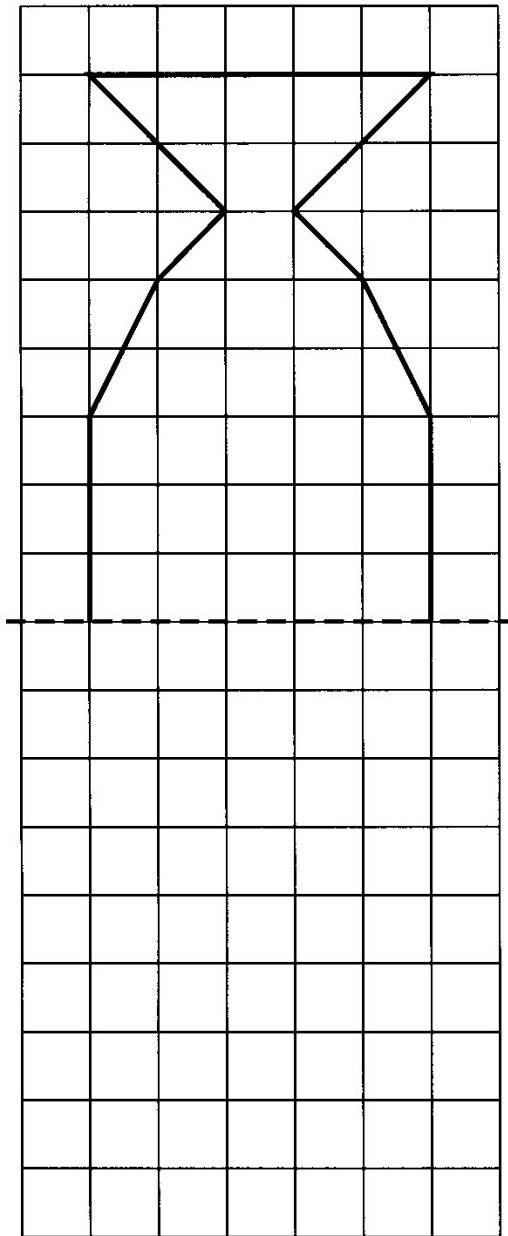
Number of seat

- 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.**
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2. The broken line is an axis of symmetry.  
Complete the diagram.



4



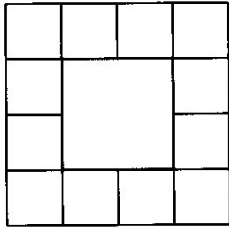




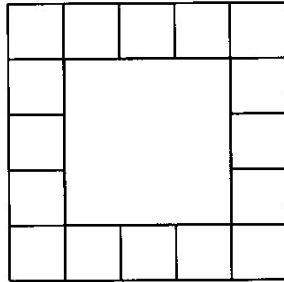
Marks

KU	RE
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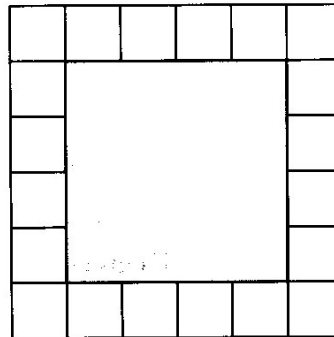
5. A picture frame company makes square frames in different sizes. Each frame has tiles round the edge as shown.



Size 1



Size 2



Size 3

- (a) Complete this table.

Size number	1	2	3	4	5	6		10
Number of tiles	12	16						

WORKING

- (b) Write down a rule for finding the number of tiles if you know the size number.

RULE

4

2



6. Brad has 10 goldfish.  
The weight, in grams, of each goldfish is listed below.

58 64 66 67 70 73 73 74 83 92

- (a) Write down the mode.

ANSWER	grams
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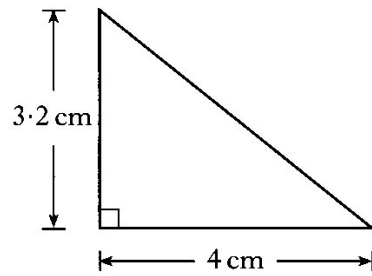
- (b) Calculate the mean weight of a goldfish.

WORKING	
ANSWER	grams

Marks

	KU	RE
1		
4		

7. Calculate the area of the triangle shown below.



WORKING

ANSWER

square centimetres

Marks

KU	RE
3	



Marks

KU	RE
2	
2	

8. A bottle of wine contains 750 millilitres.

(a) Six glasses can be filled from one bottle of wine.

How much wine does each glass contain?



WORKING	
ANSWER	millilitres

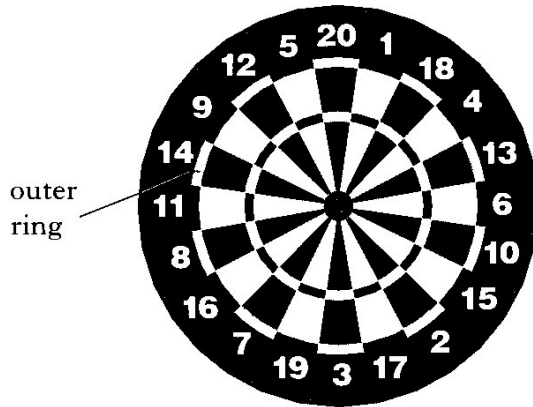
(b) A catering company is organising a dinner party for 12 people. Each person will be served with 2 glasses of wine. How many bottles of the wine will be needed?

WORKING	
ANSWER	bottles

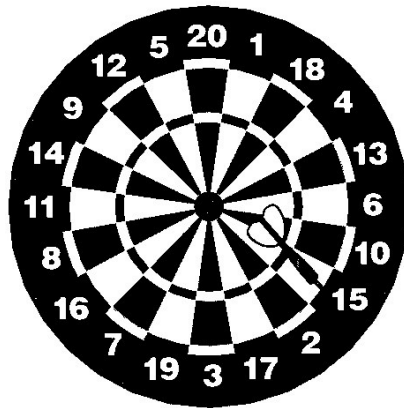
Marks

KU	RE

9. The diagram below shows a dartboard.  
When a dart lands in the outer ring, you score **double** points.



For example, the dart shown below has landed in **double 15**, giving a score of **30** points.

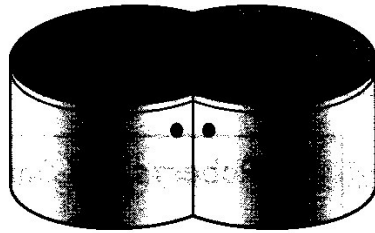




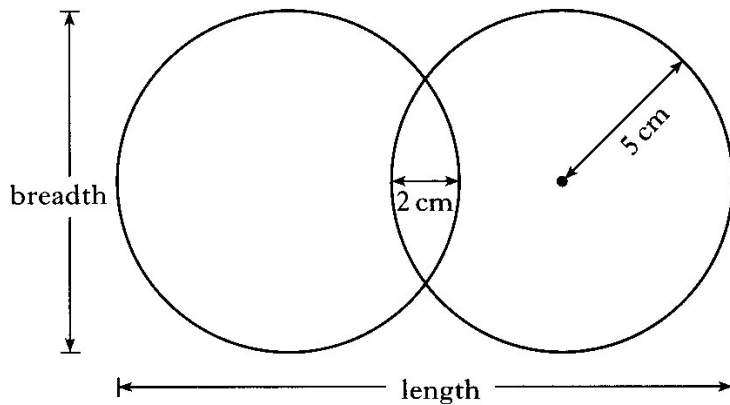




12.



The top of a jewellery box is in the shape of two equal overlapping circles.  
A sketch of the top of the box is shown below.



The radius of each circle is 5 centimetres.  
The two circles overlap by 2 centimetres.

(a) Calculate the breadth of the jewellery box.

WORKING	
ANSWER	centimetres

(b) Calculate the length of the jewellery box.

WORKING	
ANSWER	centimetres

Marks

	KU	RE
1		
3		



