

FOR OFFICIAL USE

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F

KU RE

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Total Marks

**2500/401**

NATIONAL  
QUALIFICATIONS  
2004

FRIDAY, 7 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

- You may NOT 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
1	
1	
2	

1. Work out the answers to the following.

(a)  $402 + 159 + 73$

WORKING

ANSWER

(b)  $9.1 - 5.8$

WORKING

ANSWER

(c)  $\frac{1}{9}$  of 108

WORKING

ANSWER

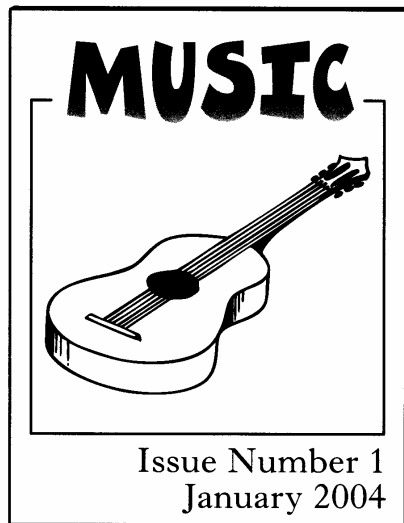




Marks

KU	RE
1	
2	

5. Issue number 1 of MUSIC magazine went on sale in January 2004.  
A new issue goes on sale each month.



- (a) What will be the issue number for October 2004?

WORKING	
ANSWER	Issue Number

- (b) When will issue number 16 go on sale?

WORKING		
ANSWER	Month	Year





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F

KU RE

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Total Marks

**2500/402**

NATIONAL  
QUALIFICATIONS  
2004

FRIDAY, 7 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.
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4. The broken line is an axis of symmetry.  
Complete the diagram.



4



Marks

	KU	RE
3		■
1		■

5. The ages of a group of college students are listed below.

19 23 19 18 19 20  
21 18 21 19 18 19

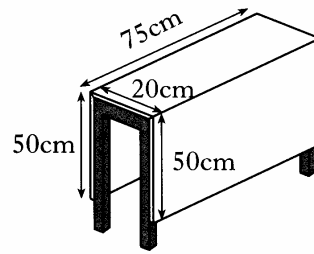
(a) Complete the frequency table for these ages.

Age (years)	Tally	Frequency
18		
19		
20		
21		
22		
23		

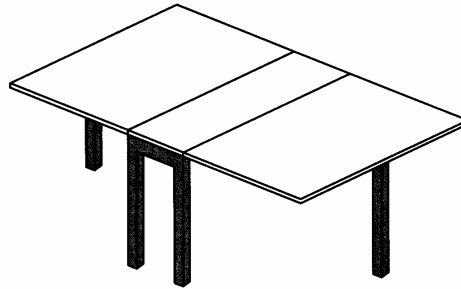
(b) Write down the mode.

ANSWER		years
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6. The dimensions of a drop-leaf table are as shown.



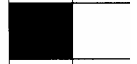
When the table is opened out the three sections form a rectangle.



Find the area of this rectangle.

<b>WORKING</b>	
<b>ANSWER</b>	square centimetres

3

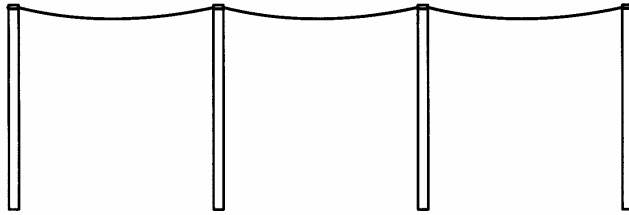




Marks

KU	RE
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8. A fence is made by joining posts with lengths of wire.  
Each length of wire is 2 metres.



- (a) Complete this table.

Number of posts	2	3	4	5	6	7		11
Length of wire (metres)	2	4						

- (b) Write down a rule for finding the length of wire if you know the number of posts.

RULE

4

2





10. At the school fair there is a GRID GAME.

GRID GAME

- \* Pay 20 pence
- \* Write your name in a box
- \* Win £2 if you choose a winning box

9										
8				Bill						
7	Lucy							Kim		
6										
5						Jim				
4									Pat	
3										
2		Jim								
1										
	A	B	C	D	E	F	G	H	I	J

(a) Alan chose box C6.

Write "Alan" in box C6.

1









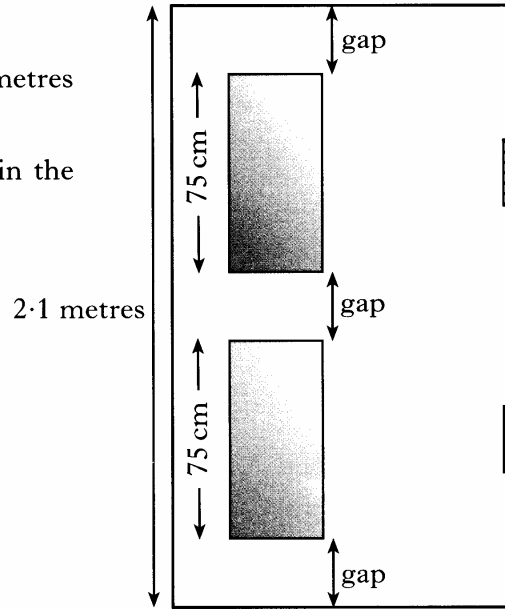


13. The height of this door is 2.1 metres.

It has two glass panels.

Each glass panel is 75 centimetres long.

Each of the three gaps shown in the diagram is the same length.



Find the length of each gap.

WORKING

ANSWER

centimetres

4

[END OF QUESTION PAPER]