

**OXFORD CAMBRIDGE AND RSA EXAMINATIONS**  
**General Certificate of Secondary Education**

**MATHEMATICS C**  
**(Graduated Assessment)**



**1966/2331A**

MODULE M1 – SECTION A

Wednesday **29 JUNE 2005** Morning 30 minutes

Candidates answer on the question paper.

Additional materials:

Geometrical instruments

Tracing paper (optional)

Candidate  
Name

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Centre  
Number

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Candidate  
Number

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**TIME** 30 minutes

**INSTRUCTIONS TO CANDIDATES**

- Write your name, Centre number and candidate number in the boxes above.
- Answer **all** the questions.
- Write your answers on the dotted lines unless the question says otherwise.
- Use blue or black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure you know what you have to do before starting your answer.
- There is a space after most questions. Use it to do your working. In many questions marks will be given for a correct method even if the answer is incorrect.
- Do not write in the bar code. Do not write in the grey area between the pages.
- **DO NOT WRITE IN THE AREA OUTSIDE THE BOX BORDERING EACH PAGE. ANY WRITING IN THIS AREA WILL NOT BE MARKED.**

**INFORMATION FOR CANDIDATES**

- The number of marks is given in brackets [ ] at the end of each question or part question.
- The total number of marks for this Section is 25.

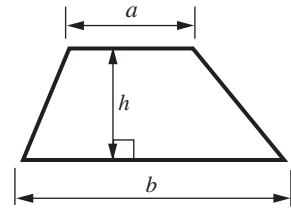
**WARNING**  
 You are not allowed to use a  
 calculator in Section A of this paper.

FOR EXAMINER'S USE	
Section A	
Section B	
<b>TOTAL</b>	

**This question paper consists of 8 printed pages.**

## Formula Sheet

**Area of trapezium** =  $\frac{1}{2} (a + b)h$



1 Find the missing numbers.

(a)  $36 - \blacklozenge = 20$

(a)  $\blacklozenge = \dots\dots\dots[1]$

(b)  $24 \div \clubsuit = 4$

(b)  $\clubsuit = \dots\dots\dots[1]$

(c)  $\boxtimes + 18 = 26$

(c)  $\boxtimes = \dots\dots\dots[1]$

(d)  $8 \times \spadesuit = 40$

(d)  $\spadesuit = \dots\dots\dots[1]$

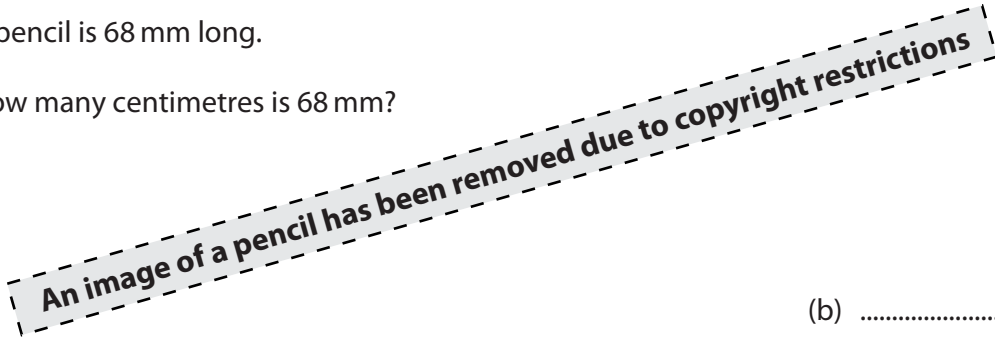
4
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- 2 (a) Measure this line.  
Give your answer in centimetres.



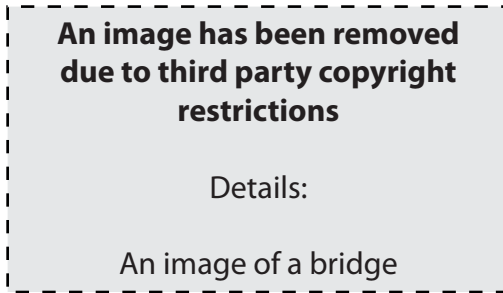
(a) .....cm [1]

- (b) A pencil is 68 mm long.  
How many centimetres is 68 mm?



(b) .....cm [1]

- (c) A bridge is 7.3 metres long.  
How many centimetres is 7.3 metres?



(c) .....cm [1]

3
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- 3 Complete each sentence using two different numbers from the list.  
You can use a number in more than one answer.

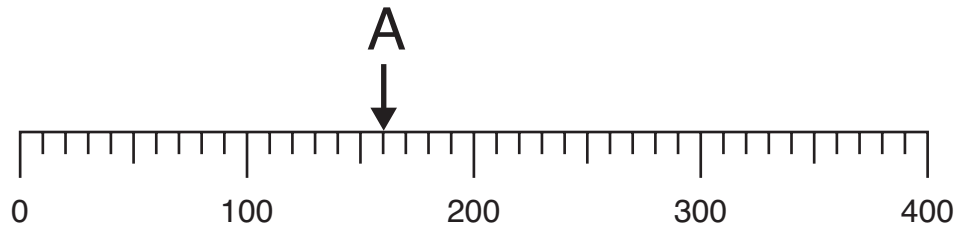
50	52	54	56	58	60	
49	51	53	55	57	59	61

- (a) ..... and ..... are odd numbers. [1]
- (b) ..... and ..... are divisible by 5. [1]
- (c) ..... and ..... are divisible by 10. [1]

3
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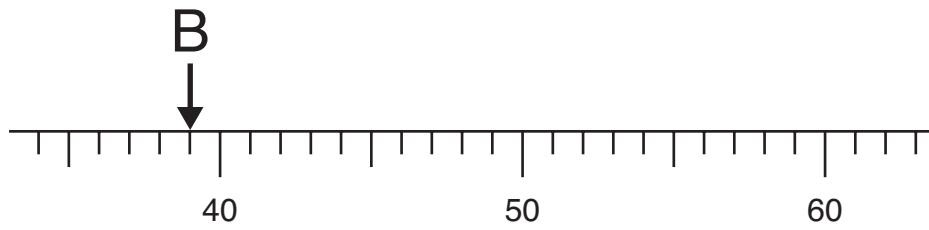
4 What number does each arrow point to?

(a)



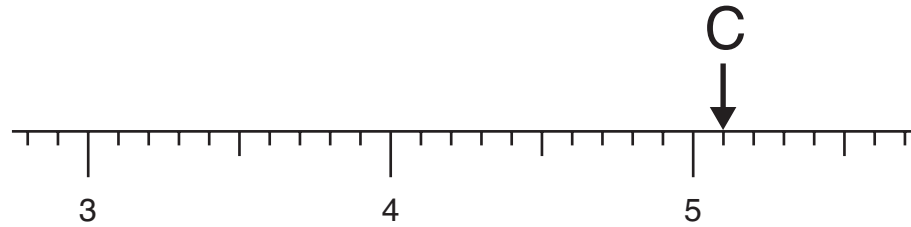
(a) .....[1]

(b)



(b) .....[1]

(c)



(c) .....[1]

3
---

5 Charles is going to Stratford on the Shakespeare Express steam train.

Snow Hill	10 35
Tyseley	10 50
Stratford	11 35

**A photo has been removed due to third party copyright restrictions**

Details:

A photo of a steam train

- (a) Charles gets the 10 50 train from Tyseley. He gets to Stratford at 11 35.

How long does his journey take?

(a) .....minutes [1]

- (b) His train back leaves Stratford at 18 05. The journey from Stratford to Tyseley takes 40 minutes.

At what time does his train get back to Tyseley?

(b) .....[1]

- (c) Charles buys two adult tickets for £15 each and four child tickets for £5 each.

**An image of a family has been removed due to third party copyright restrictions**

Adult	£15
Child	£5

How much do the tickets cost altogether?

(c) £.....[3]

- (d) The train leaves Snow Hill at 10 35 and gets to Stratford at 11 35. The train back leaves Stratford at 18 05 and gets to Snow Hill at 18 55.

Which journey takes less time, and by how many minutes?

The journey that leaves ..... is shorter by ..... minutes. [2]

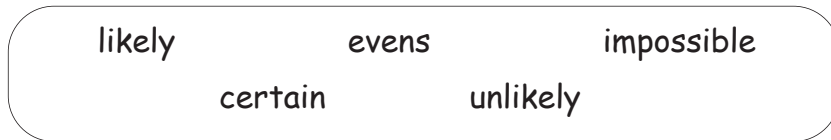
7
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6



Sarah's CD player holds 10 CDs.  
She loads these CDs: 5 rock CDs  
2 dance CDs  
3 pop CDs.

The player selects the CDs at random.



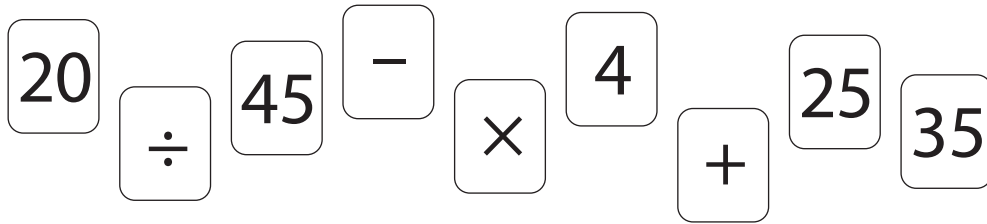
Choose the best word to complete each of these sentences.

It is ..... that the first CD will be rock. [1]

It is ..... that the first CD will be rap. [1]

2
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TURN OVER FOR QUESTION 7



Use these cards to complete the following.  
Each card may be used in more than one answer.

(a)    = 70 [1]

(b)    = 5 [1]

(c)    = 5 [1]

Find a different way to make 5

3