

OXFORD CAMBRIDGE AND RSA EXAMINATIONS
General Certificate of Secondary Education

MATHEMATICS C
(Graduated Assessment)



1966/2332A

MODULE M2 – 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.

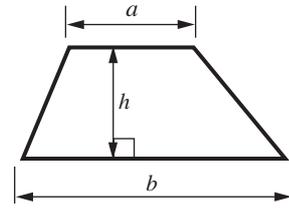
WARNING
 You are not allowed to use a calculator in Section A of this paper.

FOR EXAMINER'S USE	
Section A	
Section B	
TOTAL	

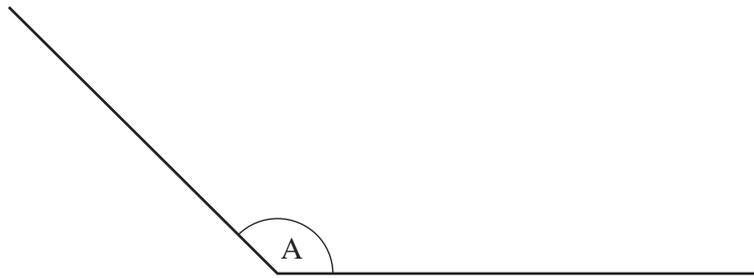
This question paper consists of 7 printed pages and 1 blank page.

Formula Sheet

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



1 (a) Measure angle A.



(a)° [1]

(b) What type of angle is A?
Choose from this list.

- acute obtuse right-angled reflex

(b)[1]

2

2 (a) A school hires four coaches.
Each coach has 63 people on it.

Work out the **total** number of people on the four coaches.

(a)[2]

(b) The total cost is £734.

Write 734 in words.

.....
.....[1]

3

- 3 (a) This table shows part of an examination timetable.

Date	Session	Subject	Duration	Number of Candidates	Room
Monday 20 June	<i>am</i>	Geography	45 minutes	115	Hall
Monday 20 June	<i>pm</i>	Food Technology	1 hour 30 minutes	86	Gym
Tuesday 21 June	<i>am</i>	Music	50 minutes	27	31
Tuesday 21 June	<i>pm</i>	Leisure and Tourism	1 hour 20 minutes	18	44
Wednesday 22 June	<i>am</i>	Religious Studies	1 hour 40 minutes	279	Hall
Wednesday 22 June	<i>pm</i>	Textiles	1 hour 25 minutes	54	Gym

- (i) How many candidates are entered for Geography?

(a)(i)[1]

- (ii) There are 279 candidates entered for Religious Studies.

Write 279 to the nearest ten.

(ii)[1]

- (iii) Which subject is on Wednesday pm?

(iii)[1]

- (iv) Which examination lasts the longest?

(iv)[1]

- (v) Samit is entered for both Geography and Food Technology.

How long will these two examinations last altogether?

(v) hoursminutes [2]

(b) A sign shows the times for each examination.

Complete these signs.

The sign for French has been done for you.

FRENCH	
30 minutes	
Start:	9 30
Finish:	10 00

ENGLISH	
45 minutes	
Start:	9 10
Finish:

SCIENCE	
1 hour 40 minutes	
Start:
Finish:	2 55

HISTORY	
..... minutes	
Start:	9 40
Finish:	10 20

[3]

(c) There are 86 candidates entered for Food Technology.
50% of them take the Higher tier.

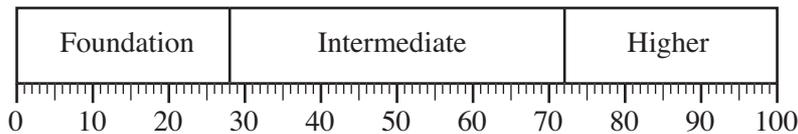
(i) Write 50% as a fraction.

(c)(i)[1]

(ii) Find 50% of 86.

(ii)[1]

(d) The bar shows the percentage of candidates taking each tier in Mathematics.



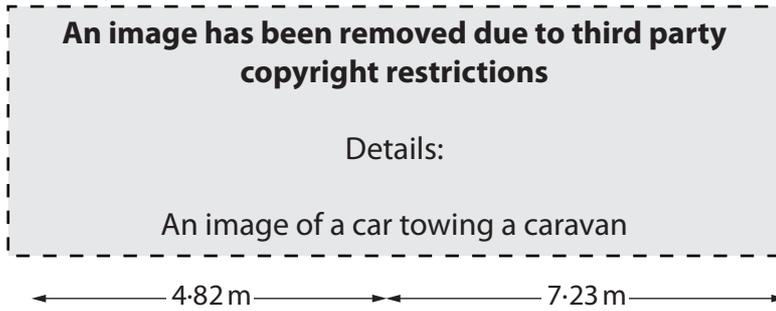
(i) What percentage take the Foundation tier?

(d)(i)% [1]

(ii) What percentage take the Intermediate tier?

(ii)% [1]

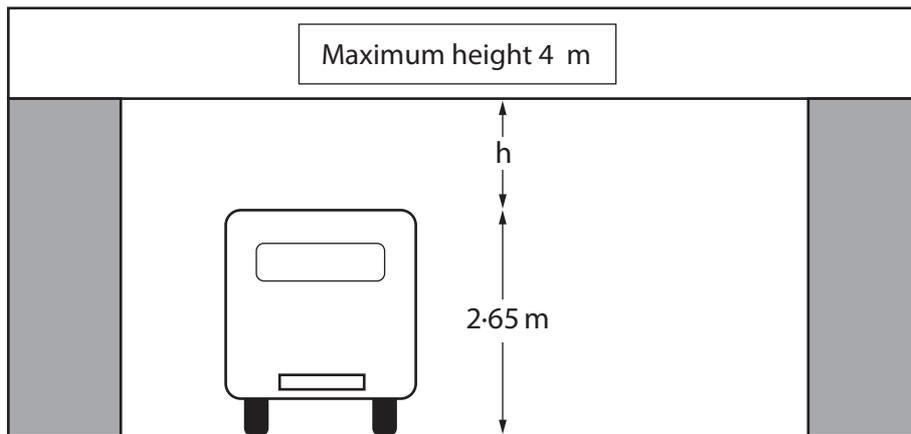
- 4 (a) Keith has a car towing a caravan.



Work out the total length of the car and caravan.

(a)m [2]

- (b) Keith drives under a low bridge.

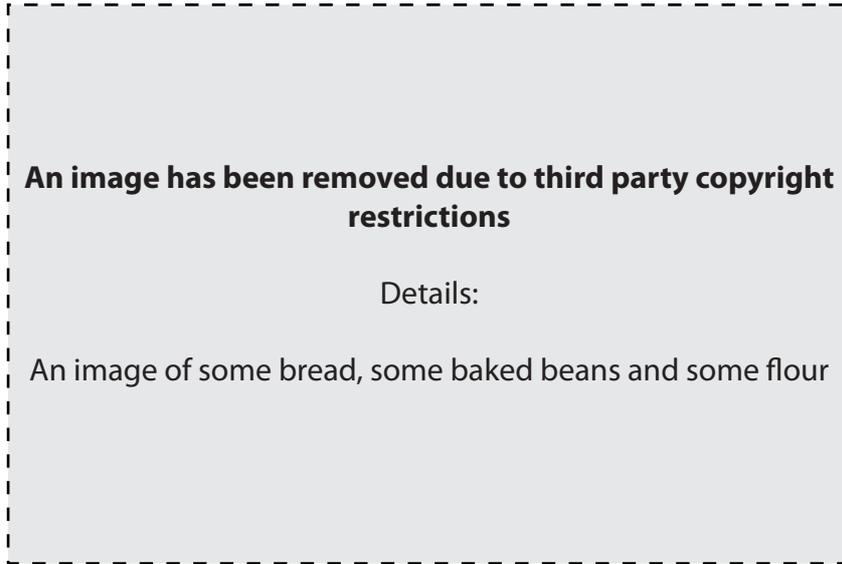


Work out the distance, h , between the top of the caravan and the bridge.

(b) $h =$ m [2]

4

5 These are the contents of Susan's shopping bag.



Complete the table to find the total weight of these three items.

Item	kg	g
Bread		
Beans		
Flour		
Total		

.....[3]

3	
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