



General Certificate of Secondary Education
2006

Centre Number

71

Candidate Number

Mathematics



Module M1 Paper 1
(Non-calculator)
Foundation Tier

[GMM11]

MONDAY 5 JUNE
1.30 pm – 2.15 pm



TIME

45 minutes.

INSTRUCTIONS TO CANDIDATES

Write your Centre Number and Candidate Number in the spaces provided at the top of this page.

Write your answers in the spaces provided in this question paper.

Answer **all ten** questions.

Any working should be clearly shown in the spaces provided since marks may be awarded for partially correct solutions.

You **must not** use a calculator for this paper.

INFORMATION FOR CANDIDATES

The total mark for this paper is 49.

Figures in brackets printed down the right-hand side of pages indicate the marks awarded to each question or part question.

You should have a ruler, compasses, set-square and protractor.

The Formula Sheet is on page 2.

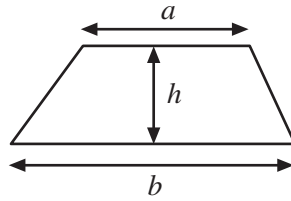
For Examiner's
use only

Question Number	Marks
1	
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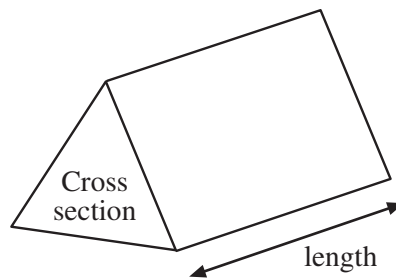
Total
Marks

Formula Sheet

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



$$\text{Volume of prism} = \text{area of cross section} \times \text{length}$$



3 The table shows the temperature recorded at midnight for each day of a week in February.

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
2°	-2°	-4°	1°	-2°	-5°	-3°

(a) Which day had the lowest midnight temperature?

Answer _____ [1]

(b) How much colder was it at midnight on Wednesday than at midnight on Monday?

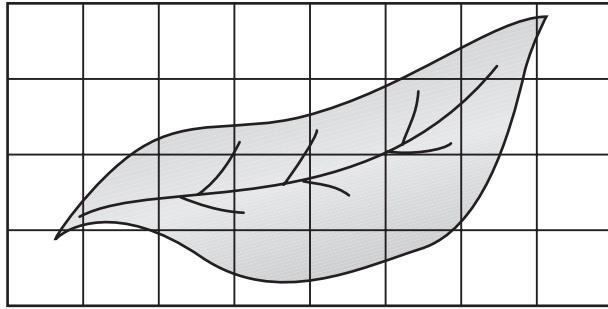
Answer _____° [1]

(c) On which day was the midnight temperature 3 degrees higher than that on Tuesday?

Answer _____ [1]

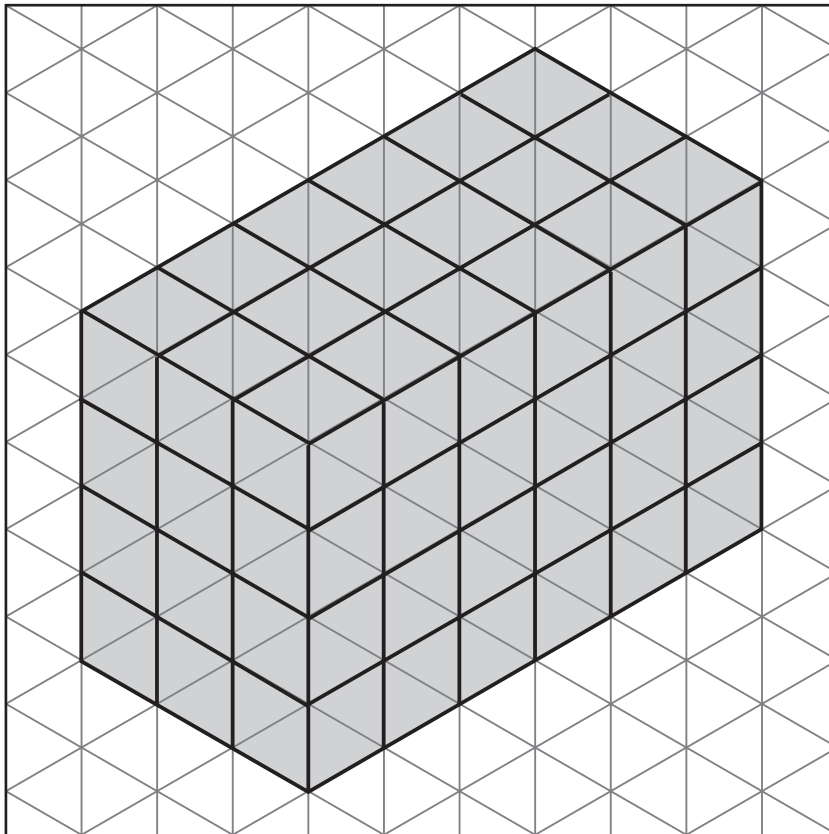
Examiner Only	
Marks	Remark

4 (a) Estimate the area of the leaf shown on centimetre squared paper.



Answer _____ cm^2 [2]

(b) (i) The cuboid shown is made with 1 cm cubes. What is its volume?



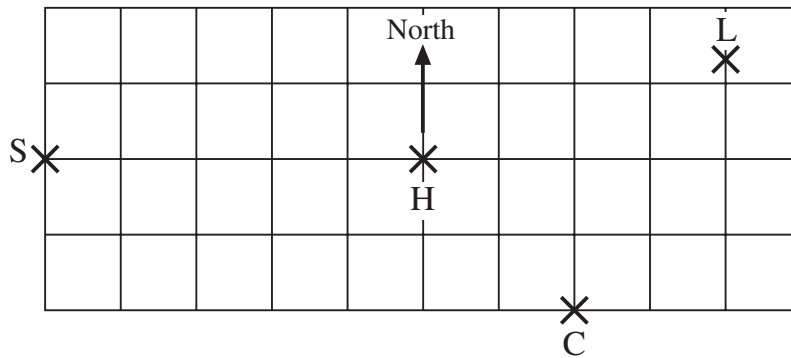
Answer _____ cm^3 [2]

(ii) Write down the dimensions of another cuboid which would have the **same** volume as the one above.

Answer _____ [1]

Examiner Only	
Marks	Remark

- 7 The grid shows the positions of the school (S), the Leisure Centre (L), the cinema (C) and my house (H).



Scale: 1 cm represents 500 m

- (a) The school is due West of my house.
Complete the sentence with the correct compass direction.

The cinema is _____ of my house. [1]

- (b) What is the bearing of the Leisure Centre from my house?

Answer _____° [1]

- (c) Find the **actual** distance of the cinema from the Leisure Centre.

Answer _____ [3]

Examiner Only	
Marks	Remark



General Certificate of Secondary Education
2006

Centre Number

71	
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Candidate Number

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Mathematics



Module M1 Paper 2
(With calculator)
Foundation Tier

[GMM12]

MONDAY 5 JUNE
2.45 pm – 3.30 pm



TIME

45 minutes.

INSTRUCTIONS TO CANDIDATES

Write your Centre Number and Candidate Number in the spaces provided at the top of this page.

Write your answers in the spaces provided in this question paper.

Answer **all fifteen** questions.

Any working should be clearly shown in the spaces provided since marks may be awarded for partially correct solutions.

INFORMATION FOR CANDIDATES

The total mark for this paper is 49.

Figures in brackets printed down the right-hand side of pages indicate the marks awarded to each question or part question.

You should have a calculator, ruler, compasses, set-square and protractor.

The Formula Sheet is on page 2.

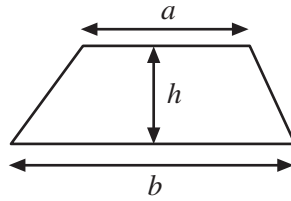
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Question Number	Marks
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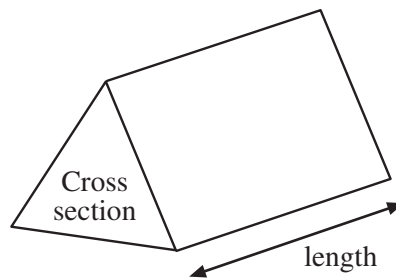
Total Marks	
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Formula Sheet

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



Volume of prism = area of cross section \times length



- 15 An engineer charged Pat £138 for 4 hours servicing and 1.5 hours repair work. The servicing cost £21 per hour. How much did repair work cost per hour?

Answer £ _____ [4]

THIS IS THE END OF THE QUESTION PAPER

Examiner Only	
Marks	Remark

