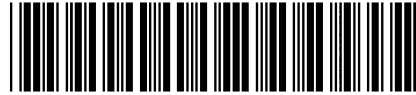


**OXFORD CAMBRIDGE AND RSA EXAMINATIONS**  
**General Certificate of Secondary Education**

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



**1966/2333A**

**MODULE M3 – SECTION A**

Monday                      **23 JANUARY 2006**                      Morning                      30 minutes

Candidates answer on the question paper.

- Additional materials:  
 Geometrical instruments  
 Tracing paper (optional)

Candidate  
Name

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. Pencils 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.

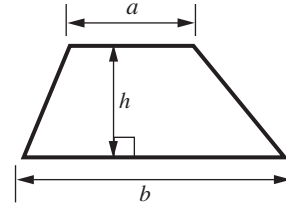
**WARNING**  
**You are not allowed to use a  
 calculator in Section A of this paper.**

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

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

## Formula Sheet

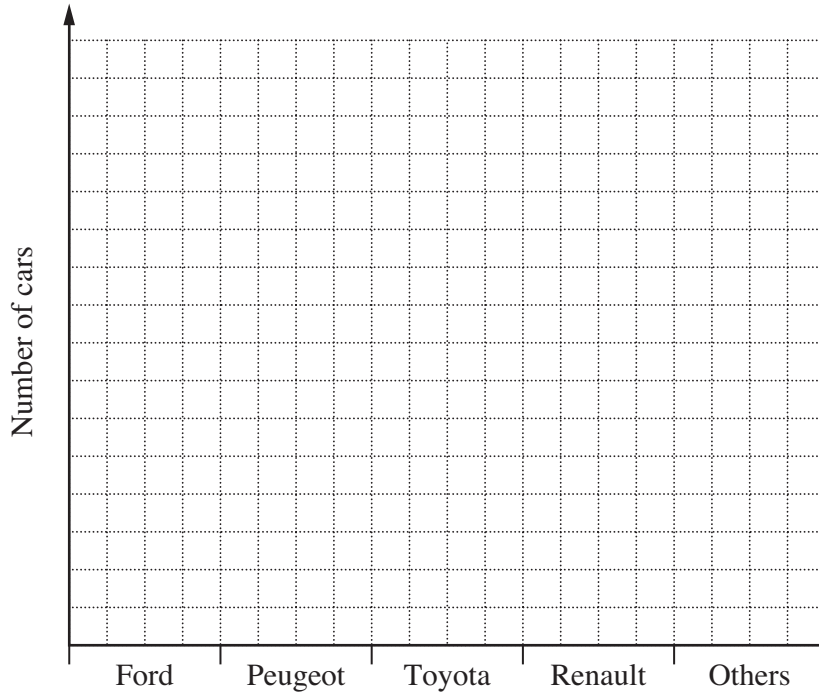
**Area of trapezium** =  $\frac{1}{2}(a + b)h$



- 1 Harry did a survey of the cars in the school car park. His results are shown in the table below.

Make	Ford	Peugeot	Toyota	Renault	Others
Number of cars	8	14	6	5	12

Draw a bar chart to represent this information.



[3]

3	
---	--

- 2 Complete each of these.

$\frac{1}{2}$  is the same as ...0:.....

$\frac{1}{4}$  is the same as .....%

$\frac{7}{10}$  is the same as ...0:.....

[3]

3	
---	--

3 Work out.

(a)  $8 - 3 \times 2$

(a) .....[1]

(b)  $(30 + 20) \div (5 - 3)$

(b) .....[2]

3

4 Work out.

(a)  $320 \div 10$

(a) .....[1]

(b)  $4.23 \times 100$

(b) .....[1]

(c)  $16.4 \times 4$

(c) .....[2]

4

5 Solve.

(a)  $x - 3 = 17$

(a) .....[1]

(b)  $3x = 18$

(b) .....[1]

(c)  $10 = x + 2$

(c) .....[1]

3
---

6 (a) Work out  $\frac{1}{4}$  of 80.

(a) .....[1]

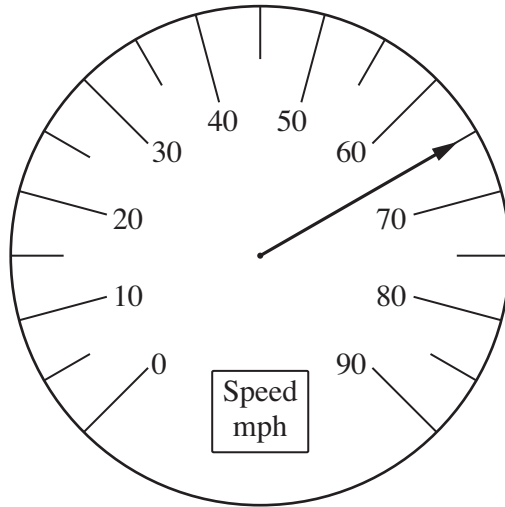
(b) Work out 30% of £240.

(b) £ .....[2]

3
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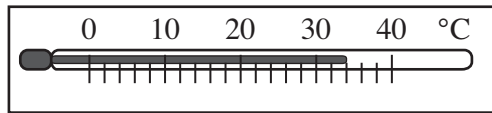
7 (a) Write down the reading shown on each of these scales.

(i)



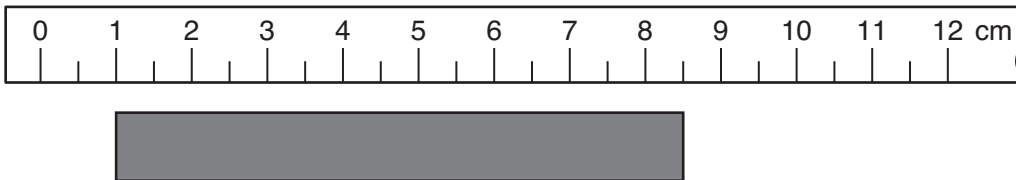
(a)(i).....mph [1]

(ii)



(ii).....°C [1]

(b) Jim is measuring a piece of wood.



He says it is 8.5 cm long.

Explain why he is wrong.

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

- 8 Usman buys one packet of cereal for £2.47 and 3 pints of milk at 38p each.

Work out how much change he should get from £5.

£ .....[3]

3
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