OCR
RECOGNISING ACHIEVEMENT

OXFORD CAMBRIDGE AND RSA EXAMINATIONS
General Certificate of Secondary Education

MATHEMATICS C
(Graduated Assessment)

1966/2332B

MODULE M2 – SECTION B

Wednesday **29 JUNE 2005** Morning 30 minutes

Candidates answer on the question paper.
Additional materials:
Geometrical instruments
Tracing paper (optional)
Electronic calculator

Candidate Name	

Centre Number						Candidate Number				

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

- You are expected to use a calculator in Section B of this paper.
- 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.
- Section B starts with question 6.

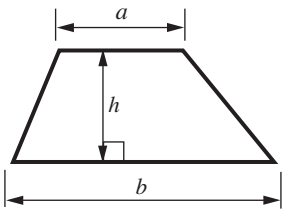
FOR EXAMINER'S USE	
Section B	

This question paper consists of 8 printed pages.

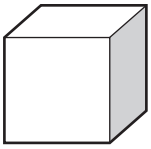
[Turn over

Formula Sheet

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



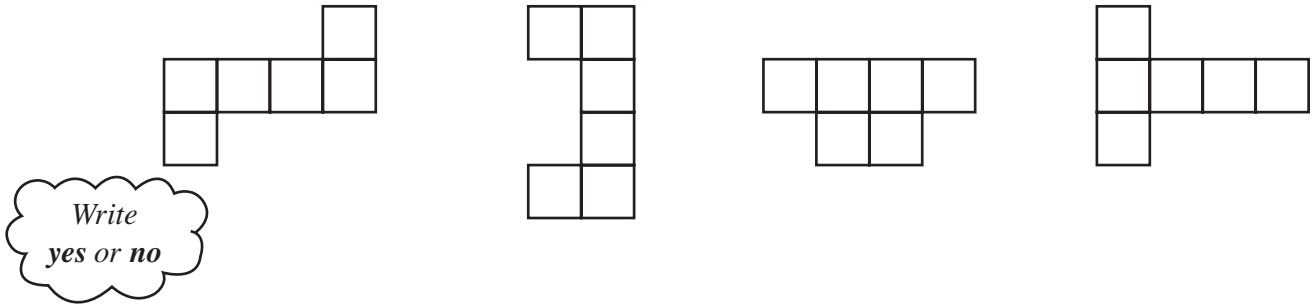
6



(a) Write down the name of this solid.

(a) .....[1]

(b) Which of these could be a net for this solid?

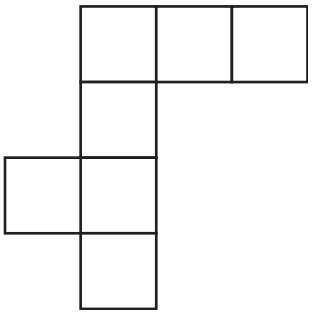


....

[2]

(c) The diagram below is **not** a net for this solid.
It has an extra square.

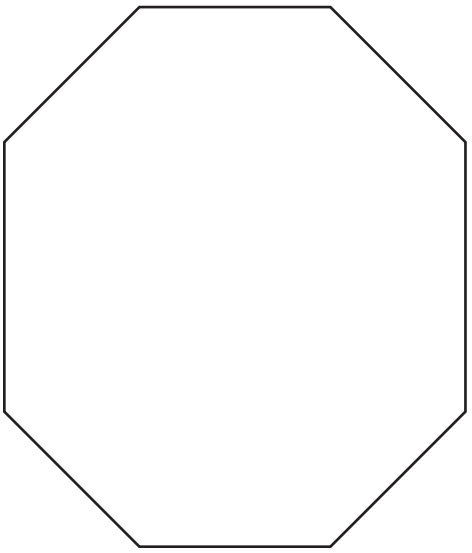
Put a cross (✕) in that square.



[1]

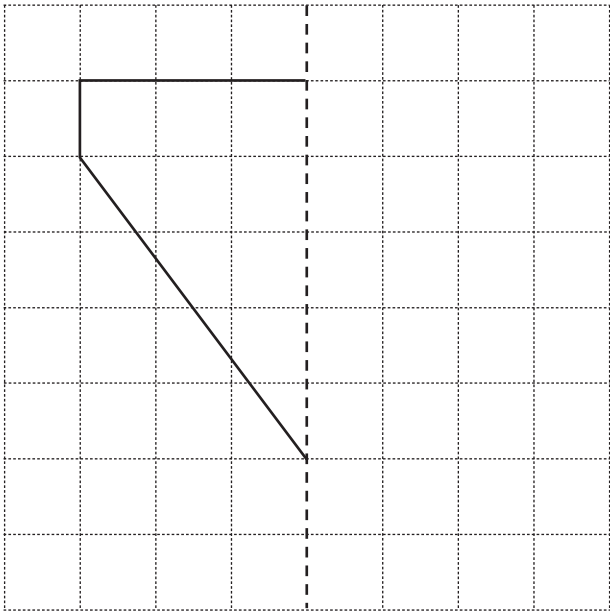
4

7 **(a)** Draw all the lines of symmetry on this shape.



[2]

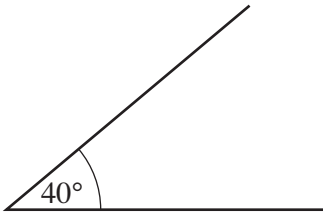
(b) Reflect this shape in the mirror line.



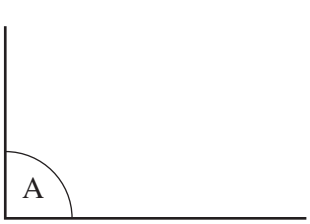
mirror line

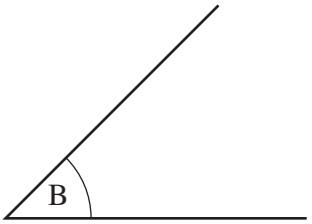
[2]

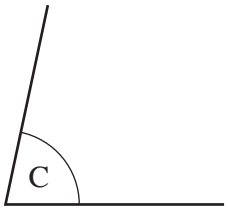
(c) This angle is 40°.

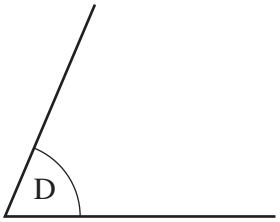


Look at these angles.









Complete this sentence.

Angle ..... is nearest to 80°. [1]

5

8 **(a)** Write down the next number in this sequence.

2 6 10 14

(a) .....[1]

(b) Explain how you got your answer.

.....[1]

2

[Turn over

9 **(a)** **(i)** Jim works in a garden centre at weekends.
In April he was paid £228.
He gave his mother 25% of this.

Work out 25% of £228.

(a)(i) £.....[2]

(ii) In May he worked for six days.
He was paid the same amount each day.
He was paid £171 altogether.

How much was he paid each day?

(ii) £ .....[2]

(b) In a sale each plant costs £3·25.
Alan buys 17 plants.

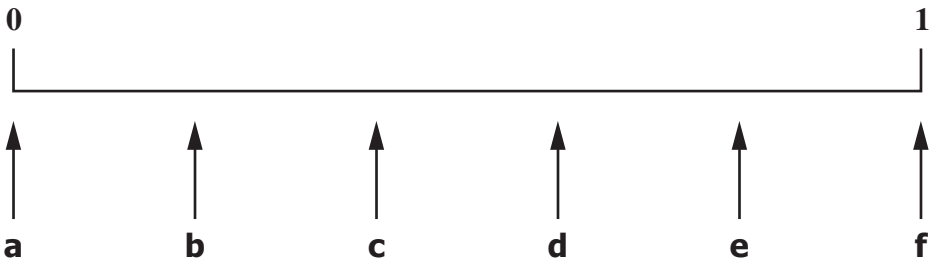
Work out the total cost.

(b) £ .....[2]

6

10 **(a)** Rajiv has these cards.

Laura takes one without looking.



Complete these sentences.

Arrow ..... points to the probability that Laura chooses a **5**.

Arrow **c** points to the probability that Laura chooses a ..... .

[2]

(b) Laura has these cards.

Write down the mode of the numbers on Laura's cards.

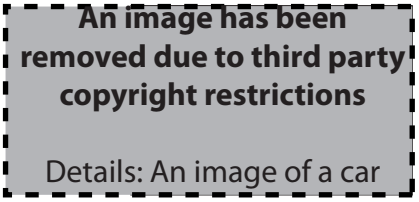
(b) .....[1]

3

TURN OVER FOR QUESTION 11

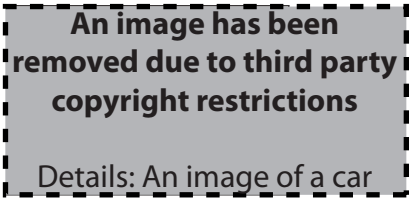
11 Simon needs to hire a car for seven days.
He gets the costs from two companies.

Cars 'R' Us



Cost =
number of days × £16
then add £42

Nick's Cars



Cost =
number of days × £18
then add £24

(a) Work out the cost of hiring a car from Cars 'R' Us for 7 days.

(a) £.....[2]

(b) Which company is cheaper for seven days, and by how much?

(b) ..... is cheaper by £ ..... [3]

5