

OXFORD CAMBRIDGE AND RSA EXAMINATIONS
General Certificate of Secondary Education

MATHEMATICS C
(Graduated Assessment)



1966/2334B

MODULE M4 – SECTION B

Wednesday **28 JUNE 2006** Morning 30 minutes

Candidates answer on the question paper.

Additional materials:
 Geometrical instruments
 Tracing paper (optional)
 Electronic calculator

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.
- 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.
- 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 outside the box bordering each page.
- **WRITE YOUR ANSWER TO EACH QUESTION IN THE SPACE PROVIDED. ANSWERS WRITTEN ELSEWHERE WILL NOT BE MARKED.**

INFORMATION FOR CANDIDATES

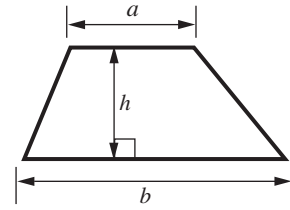
- You are expected to use a calculator in Section B of this paper.
- The number of marks is given in brackets [] at the end of each question or part question.
- The total number of marks for this Section is 25.
- Section B starts with question 8.

FOR EXAMINER'S USE	
Section B	

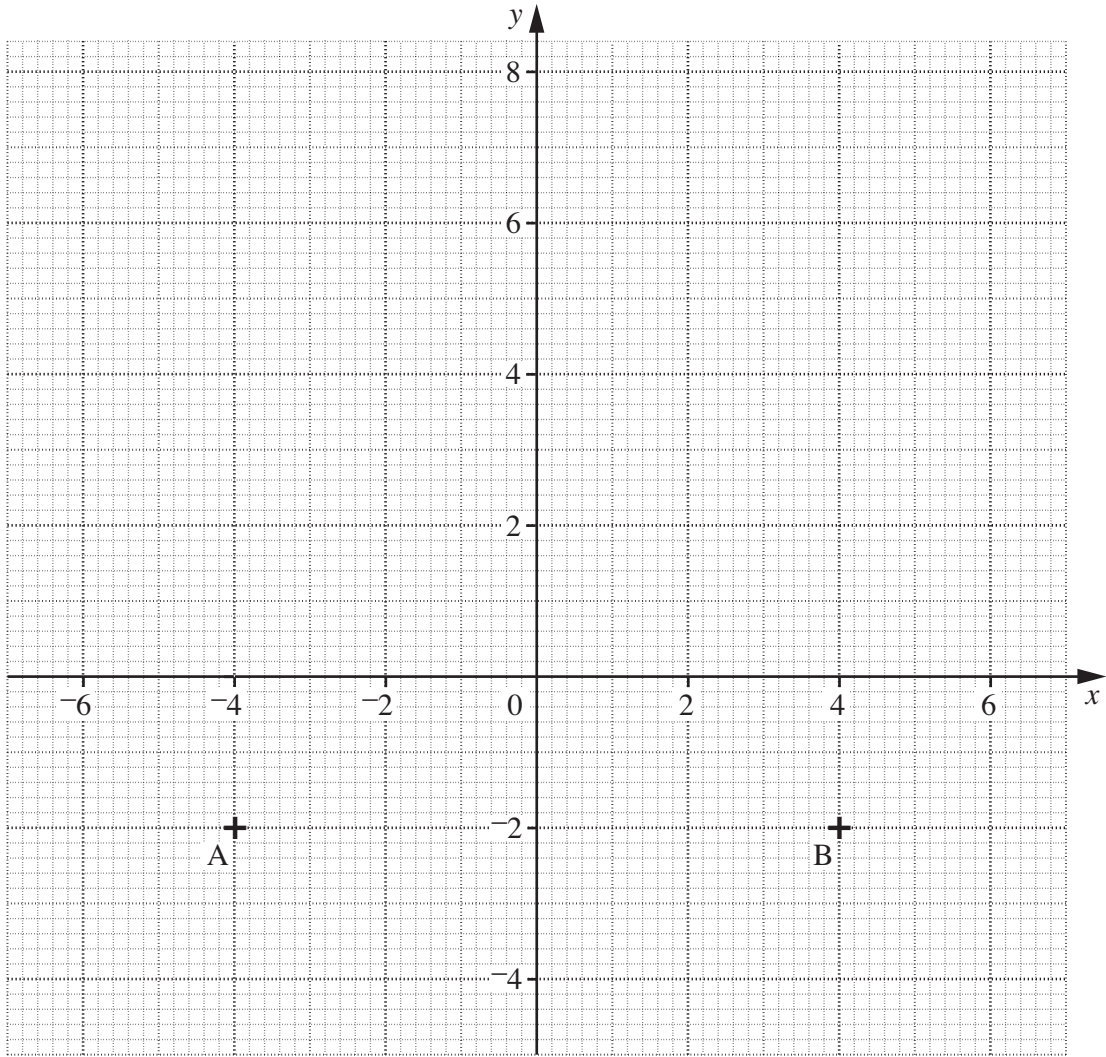
This question paper consists of 8 printed pages.

2
Formula Sheet

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



PLEASE DO NOT WRITE ON THIS PAGE



(a) Write down the coordinates of the point A.

(a) (..... ,)[1]

(b) ABCD is a square.

(i) Plot the points C and D on the grid and complete the square. [1]

(ii) Work out the perimeter of the square.

(b)(ii)cm [2]

4

9

SPECIAL OFFER

Tins of paint
£4.25 each

Aisha bought **9** tins of paint on special offer.

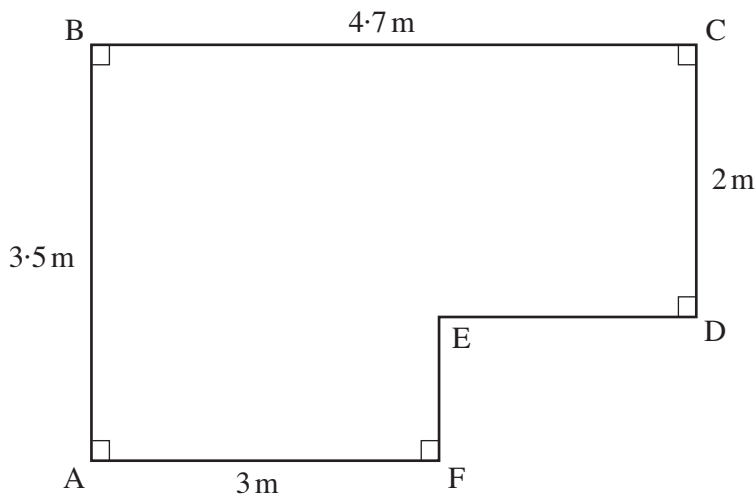
She paid with **two** £20 notes.

How much change did she get?

£[3]

3

10

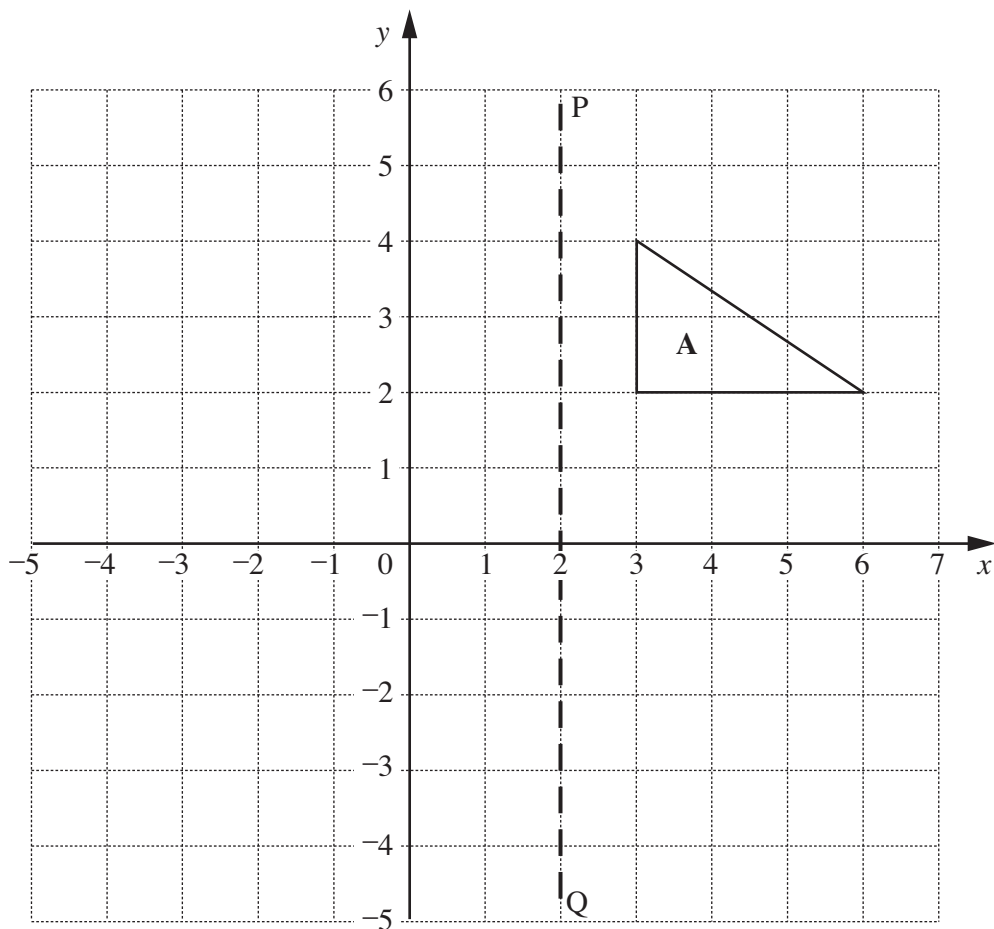


Not to scale

Work out the area of this shape.

.....m² [3]

3



- (a) Reflect triangle **A** in the line PQ.
Label the image **B**.

[1]

- (b) Reflect triangle **A** in the x -axis.
Label the image **C**.

[1]

2

12 The product of two numbers is 1435.

One number is **6 more than** the other.

Use trial and improvement to find the two numbers.

Record your trials in the table below.

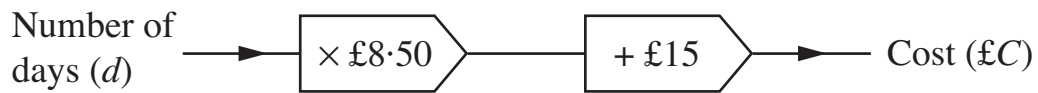
One has been done for you.

First number	Second number	Product	Too small	Too large
24	30	$24 \times 30 = 720$	✓	

..... and[3]

3

- 13 Kit Hire uses this number machine to calculate the cost of hiring a cement mixer.



- (a) What is the cost of hiring the mixer for 2 days?

(a) $\text{£}.....[2]$

- (b) What is the cost of hiring the mixer for 9 days?

(b) $\text{£}.....[1]$

- (c) $\text{£}C$ is the cost of hiring the mixer.
 d is the number of days.

Write a formula connecting C and d .

(c)[2]

5

TURN OVER FOR QUESTION 14

14 The numbers of goals scored in 8 football matches are shown below.

2 5 1 4 3 8 3 4

(a) Work out the range.

(a)[1]

(b) Work out the mean number of goals.

(b)[3]

(c) One of these matches is chosen at random.

What is the probability that 4 or 5 goals were scored in the match?

(c)[1]

5
