



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
Cambridge International Primary Achievement Test

CANDIDATE
NAME

CENTRE
NUMBER

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CANDIDATE
NUMBER

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MATHEMATICS

0842/02

Paper 2

October/November 2007

45 minutes

Candidates answer on the Question Paper.

Additional Materials:

Pen
Pencil
Ruler

Protractor
Calculator

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name in the spaces at the top of this page.

Write in dark blue or black pen.

DO **NOT** WRITE IN ANY BARCODES.

Answer **all** questions.

The number of marks is given in brackets [] at the end of each question or part question.

You should show all your working in the booklet.

For Examiner's Use	
Page	Total
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10	
11	
Total	

This document consists of **11** printed pages and **1** blank page.



1 (a) Calculate $\frac{1}{3}$ of 24.

..... [1]

(b) Calculate $\frac{1}{6}$ of 24.

..... [1]

2 Calculate 42% of 60.

..... [2]

3 Circle the 2 prime numbers in the box.

8	1	2	9
7	4	6	0

[1]

4 (a) Write $3\frac{5}{9}$ as an improper fraction.

..... [1]

(b) Write $\frac{23}{6}$ as a mixed number.

..... [1]

Page Total

- 5 (a) Farah has 17 cousins.
9 cousins are girls.

How many cousins are boys?

..... [1]

- (b) Ramesh has 6 aunts and 9 uncles.

How many aunts and uncles does Ramesh have in total?

..... [1]

- 6 One pack holds 3925 drawing pins.
Lena orders 6 packs of drawing pins.

How many drawing pins will Lena get in total?

Show your working.

..... [2]

- 7 Hafiz writes this addition sum.

$$5 + 13 + 21 + 2 = 41$$

Hafiz wants to check that he is correct.

Write a different sum for Hafiz to check his answer.

..... [1]

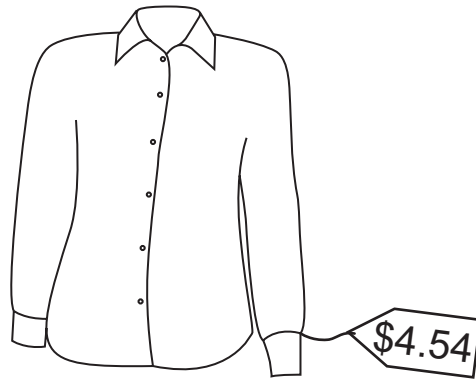
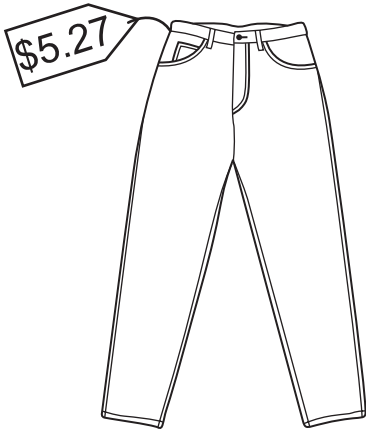
Page Total

8 Use brackets to make this calculation correct.

$$7 + 3 \times 5 - 2 = 30$$

[1]

9 (a) Lailee buys trousers and a shirt.



How much does she spend altogether?

..... [1]

(b) How much change does she get from a \$10 note?

..... [1]

(c) Write how many of each coin Lailee should be given in her change.



.....

.....

.....

[1]

Page Total

10 Fong sits exams for Maths, English and Science.

His marks are as follows:

Maths	28 out of 35
English	18 out of 40
Science	36 out of 50

(a) Write Fong's English mark as a percentage.

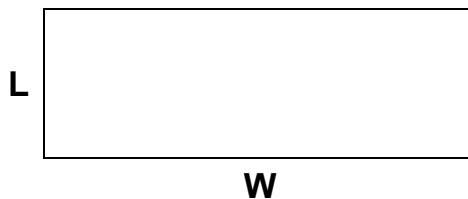
..... [1]

(b) Did Fong do better in Maths or Science?

Show your working.

..... [3]

11



The formula for calculating the area of a rectangle is

$$A = L \times W$$

Explain this formula in words.

..... [1]

Page Total

12 Jesse writes the eye colour and hair colour of the children in her class. She draws a Carroll diagram to show her results.

	Blue eyes	Not Blue Eyes
Brown Hair	6	8
Not Brown Hair	4	5

How many children have hair that is **not** brown?

..... [1]

13 Ramesh enters a bicycle race.

He has to do 5 time trials before the real race.

Here are his results.

- Trial 1 182 seconds
- Trial 2 174 seconds
- Trial 3 184 seconds
- Trial 4 186 seconds
- Trial 5 174 seconds

(a) What is his modal time?

..... [1]

(b) What is the range of his time trials?

..... [1]

(c) What is his median time?

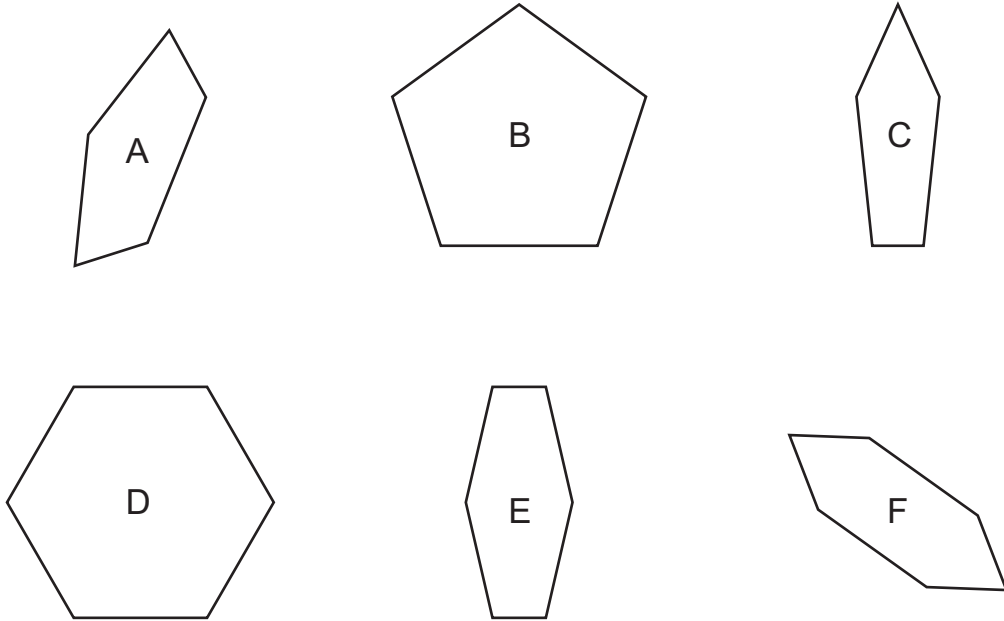
..... [1]

(d) What is his mean time?

..... [1]

Page Total

14



Which of these shapes is a regular pentagon?

..... [1]

15 A bicycle shop hires out bicycles.

You have to pay \$3 for every hour plus a fixed amount of \$5.

Write a formula for the total hire cost using:

C for the total cost

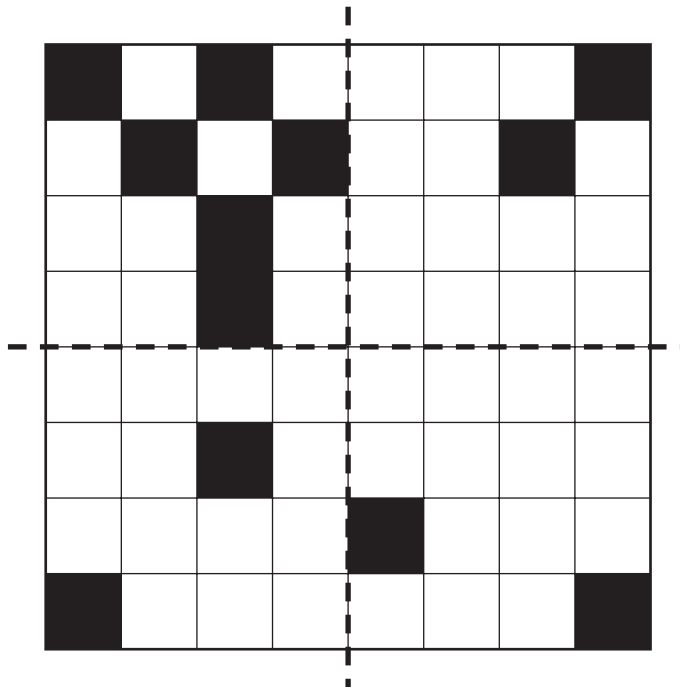
h for the hours hired

..... [1]

Page Total

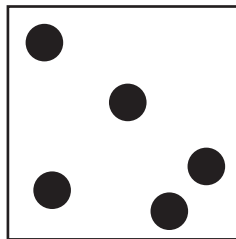
[Turn over

16 Use the mirror lines to complete the pattern.

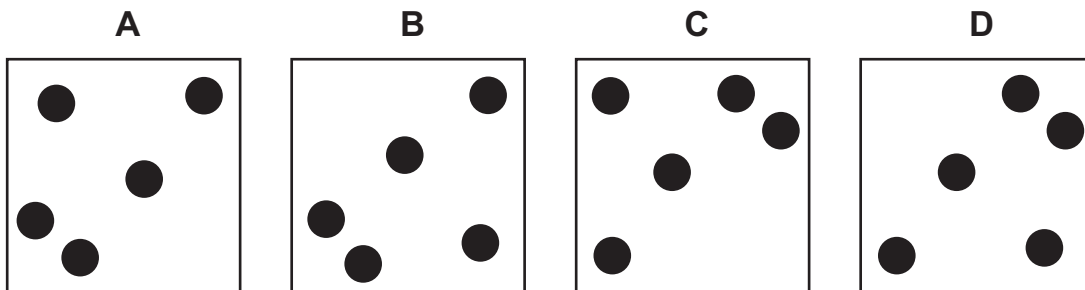


[2]

17



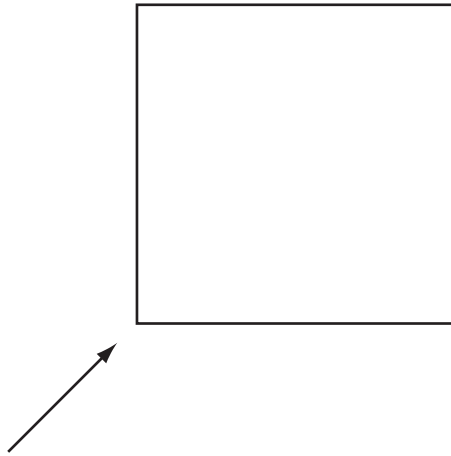
Which shape below is a reflection of this shape?



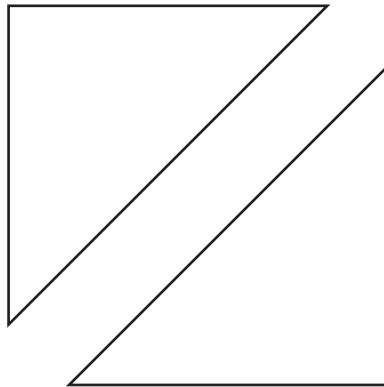
..... [1]

Page Total

- 18 Salote cuts this square across the corners.
The arrow shows the direction she cuts.



This makes 2 right-angled triangles.



How big are the other angles in the triangles?

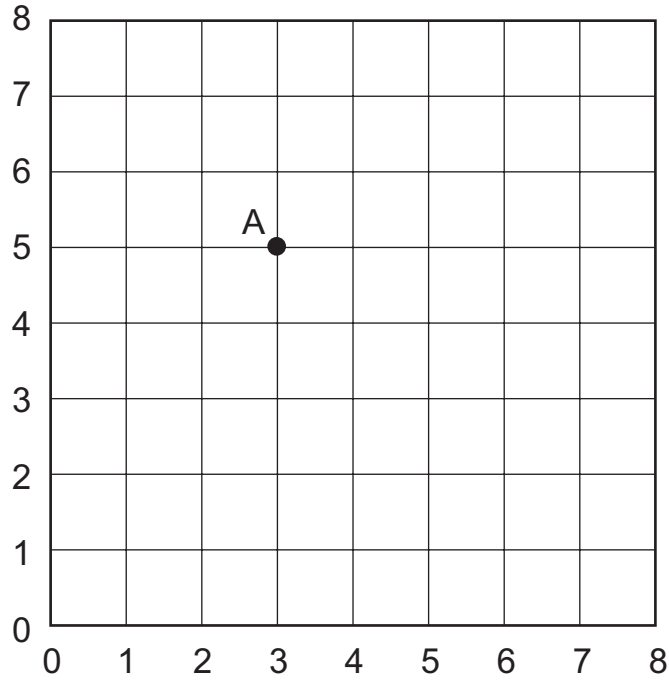
..... [1]



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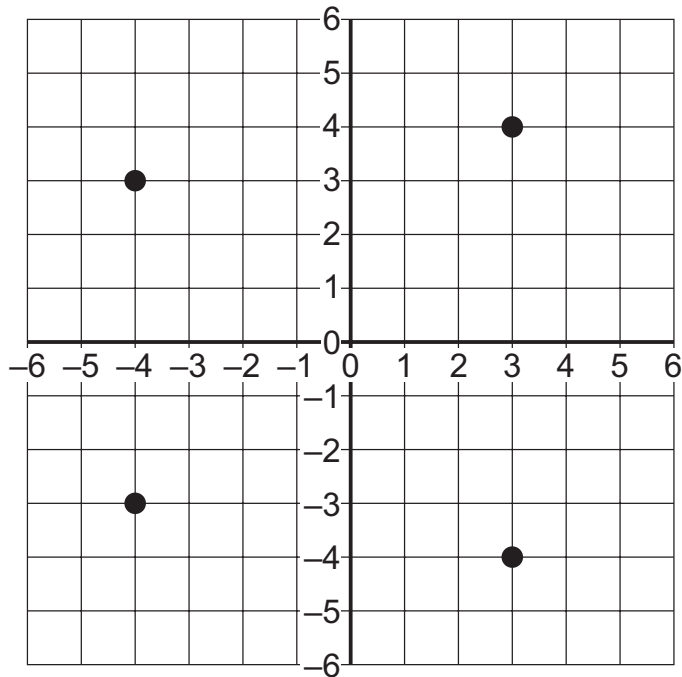
19



(a) Write the coordinates for A. [1]

(a) Plot B at (6, 4) [1]

20 Label the dot at point (-4, 3) with a letter X.



[1]

Page Total

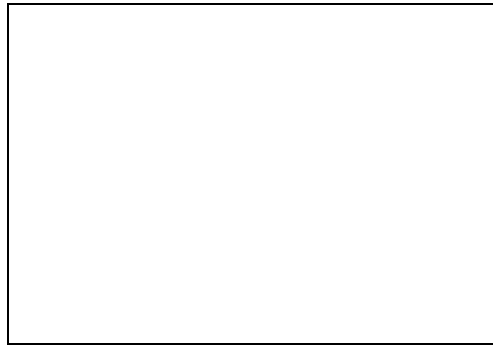
21 (a)



Measure this line accurately.

..... [1]

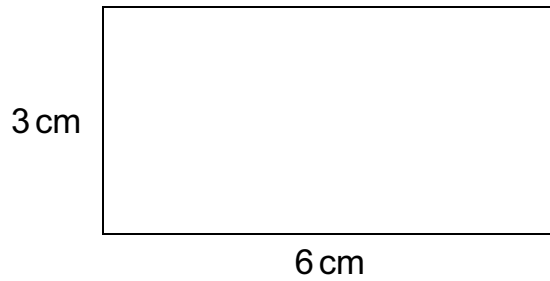
(b)



Calculate the perimeter of this rectangle.

..... [2]

(c)



Calculate the area of this rectangle.

..... [1]

Page Total

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