

Centre Number	Candidate Number	Name
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UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

CAMBRIDGE INTERNATIONAL PRIMARY ACHIEVEMENT TEST

MATHEMATICS **0842/01**

Paper 1 November 2006

45 minutes

Candidates answer on the Question Paper
Candidates require: pen, pencil, ruler, protractor

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.

Answer **all** questions.

Calculators are **not** allowed.
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	Mark
1	/
2	
3	
4	
5	
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7	
8	
9	
10	
11	
12	
13	
14	
Total	

- 1 Johanna has 3 sweets in her packed lunch.
She has a packed lunch each day for 5 days.

How many sweets does she eat in total?

..... [1]

- 2 Write these numbers in order, starting with the **smallest**.

6.06

6.60

0.06

0.60

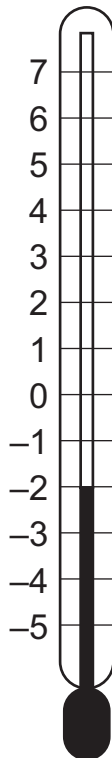
60.6

smallest

largest

[1]

- 3 Caryn has a thermometer in her garden.



What is the temperature in Caryn's garden?

..... °C [1]

Page Total

4 Here is a number sequence.

9 14 19 24

(a) Write the number that comes after 24 in the sequence.

..... [1]

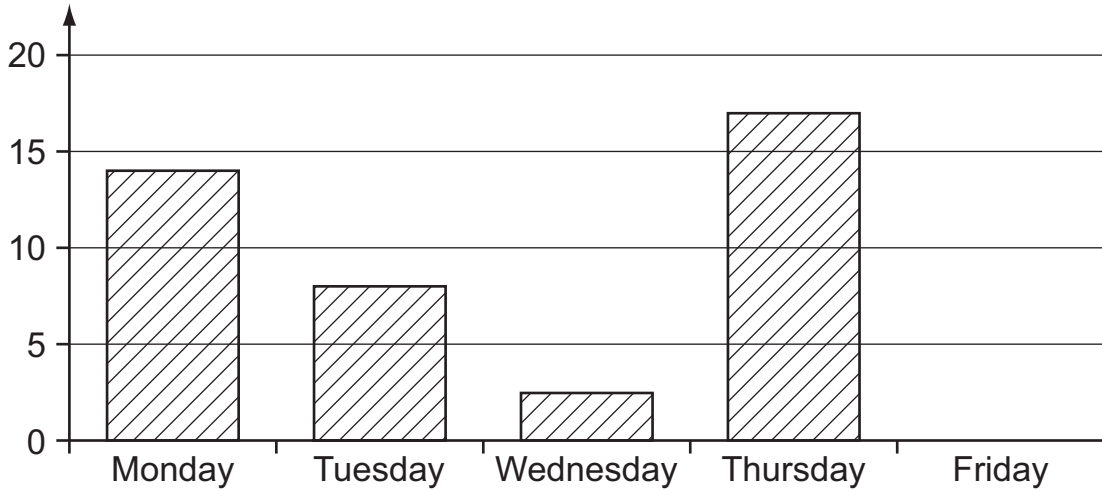
(b) Write the number that comes before 9 in the sequence.

..... [1]

(c) What is the rule for finding the next number?

.....
 [1]

5 Kashif counts the number of letters he receives every day. He draws a bar chart to show his results.



(a) How many letters does Kashif receive on Tuesday?

..... [1]

(b) Kashif receives nine letters on Friday.

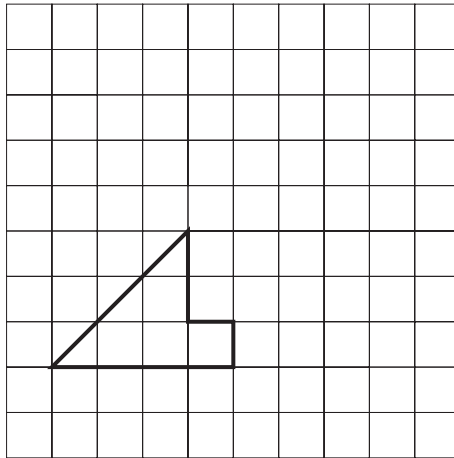
Complete the bar chart to show this information.

[1]

Page Total

6 Translate this shape by 3 squares to the right and 4 squares up.

Draw the new shape on the same grid.



[1]

7 Hafiz faces North.
He turns clockwise by 3 right angles.

Which direction does he face now?

..... [1]

Page Total

8 Here is a table showing the time in 12 different places around the world.

Abu Dhabi	12:44	Halifax	04:44	New Orleans	02:44
Addis Ababa	11:44	Hanoi	15:44	New York	03:44
Adelaide	19:14	Harare	10:44	Odesa	10:44
Aden	11:44	Havana	04:44	Oslo	09:44

(a) New Orleans and New York are both in America.

What is the time difference between New Orleans and New York?

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

(b) Adelaide is in Australia and Oslo is in Norway.

How many hours ahead of Oslo is Adelaide?

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

9 Write these fractions in order, starting with the **largest**.

$$\frac{13}{20}$$

$$\frac{3}{5}$$

$$\frac{7}{10}$$

largest

smallest

[2]

10 Write this fraction as a decimal.

$$\frac{85}{100}$$

..... [1]

Page Total

- 11 Indresh has 1792 bottle tops.
He sells each bottle top for \$3.

How much money does he make in total?

You **must** show your working.

\$ [1]

- 12 Pick numbers from the box to complete the table.

The first one has been done for you.

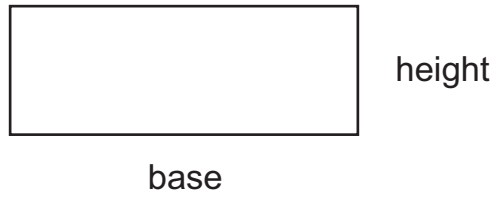
1200	120
140	114
200	1400
14 000	20

number	double
10	20
57	
600	
7000	

[2]

Page Total

- 13 Here is a rectangle.
The base and height are labelled.



- (a) The rule to calculate the area of any rectangle is base times height.

Write this rule without words where **b = base** and **h = height**.

..... [1]

- (b) Write a rule for the perimeter of any rectangle where **b = base** and **h = height**.

..... [1]

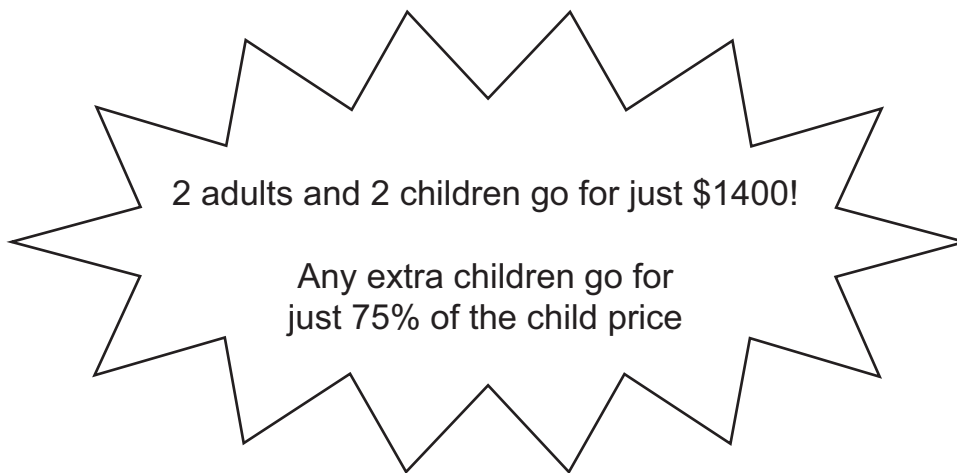
Page Total

14 Mr and Mrs Salih go on holiday with their 3 children.

The table shows the full prices for the holiday.

Person	Price
1 adult	\$500
2 adults	\$950
1 child	\$300
2 children	\$550

The travel agent has a special deal.



(a) With the special deal, how much does it cost for the Salih family to go on holiday?

Show your working.

\$ [2]

Page Total

(b) Mr and Mrs Peters and their two children also go on holiday.

They save \$2000.

The holiday costs \$1700 and the rest of their savings is spending money to be shared equally.

How much do they **each** have to spend on holiday?

Show your working.

\$ [2]

15 The weather is very cold where Ravindra lives.

The children in her class wear lots of winter clothes to keep warm.

She makes a Carroll diagram to show how many children wear gloves and scarves.

	Scarf	No scarf
Gloves	10	8
No Gloves	5	2

(a) How many children wear a scarf?

..... [1]

(b) How many children wear gloves but no scarf?

..... [1]

Page Total

16 (a) Draw **all** the lines of symmetry on the rectangle below.



[1]

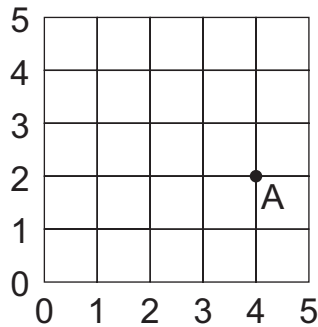
(b) Write **any** 2 properties of a rectangle.

1.

2.

[2]

17 Look at this grid.



(a) Write the co-ordinates of point **A**.

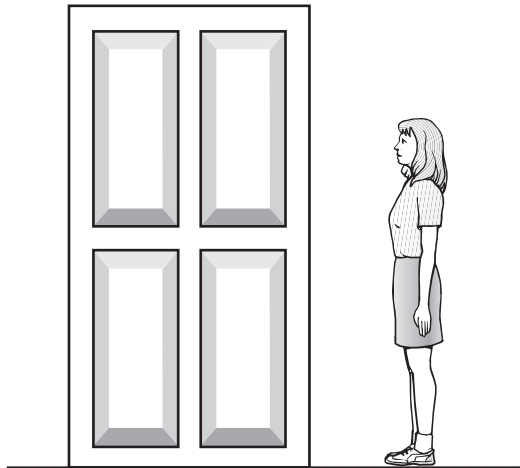
(..... ,) [1]

(b) Plot the point (2, 1) on the grid.

[1]

Page Total

18 The door is two metres tall.



How tall is Jane?

..... m [1]

19 Here are two groups of numbers.

One group contains odd numbers and one group contains even numbers.

Group A	
2	6
8	12
16	28
36	54
82	98

Group B	
1	5
7	13
15	27
39	53
83	99

Which group contains even numbers?

.....

Explain how you know.

I know this because

..... [1]

Page Total

20 List the **prime** factors of 60.

..... [1]

21 Evonne saves her pocket money each week.
Over 4 weeks she saves **\$2, \$9, \$7** and **\$3**.

She calculates her total savings.

$$2 + 9 + 7 + 3 = 21$$

Evonne wants to check that her calculation is correct.

Suggest a method that she can use to check her calculation.

..... [1]

22 Faizan shares 49 sweets between his 5 friends.

Each child has 9 sweets and there are 4 left over.

If the remainder were shared out what fraction would each child get?

..... [1]

Page Total

23 Ramesh eats a packet of sweets every day.

Here is a frequency table to show the number of red sweets he finds in 20 tubes.

Number of red sweets	Tally	Frequency
1		1
2		5
3		4
4		3
5		6
6		0
7		1

Choose a word from the list below that best describes the probability that there will be more than 5 red sweets in a packet.

Underline your answer.

certain

likely

even chance

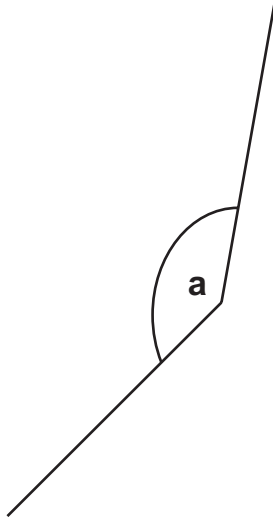
unlikely

impossible

[1]

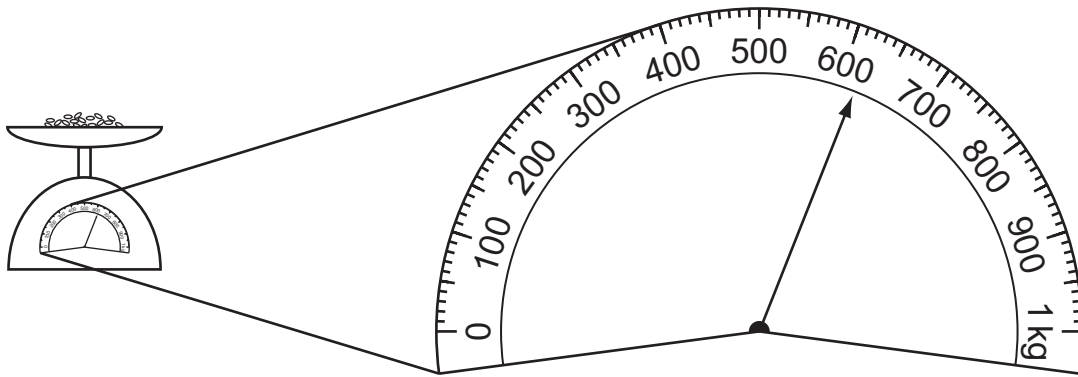
Page Total

24 Measure angle a.



..... ° [1]

25 Priyanka weighs some rice.



How much does the rice weigh?

..... g [1]

Page Total

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