UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
Cambridge International Primary Achievement Test

CANDIDATE NAME									
CENTRE NUMBER						CANDIDATE NUMBER			

5953775446

MATHEMATICS **0842/01**

Paper 1 **May/June 2010**

45 minutes

Candidates answer on the Question Paper.

Additional Materials: 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.
DO NOT WRITE IN ANY BARCODES.

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	
1	
2	
3	
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8	
9	
10	
11	
12	
Total	

This document consists of **12** printed pages.

1 What is double 85?

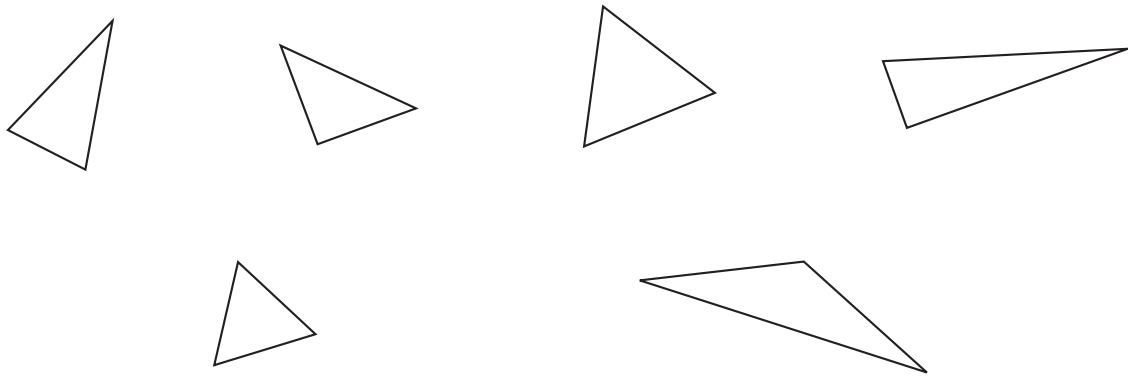
..... [1]

2 Circle the digit worth five tens in the following number.

5 5 5

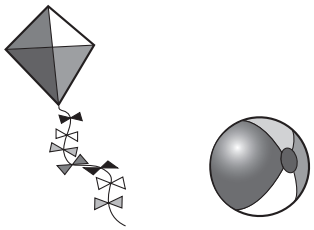
[1]

3 Tick (✓) the equilateral triangles.



[1]

4 Hini buys a kite and a ball.
The kite costs 9 cents and the ball costs 7 cents.



(a) How much does she spend in total?

..... cents [1]

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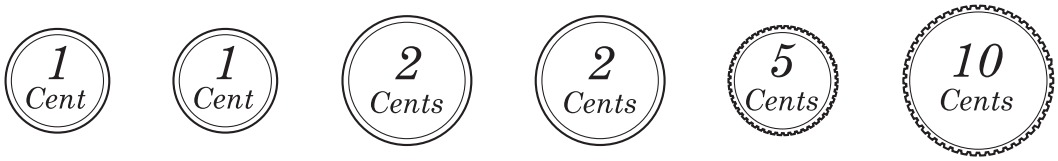
(b) How much change does she get from 20 cents?

.....cents [1]

(c) Tick (✓) the coins to show her correct change.



[1]

5 **(a)** Here is a set of numbers.

254	542	245
524	452	

Circle the number that is a multiple of 5.

[1]

(b) Here is a different set of numbers.

27	45	85
74	63	

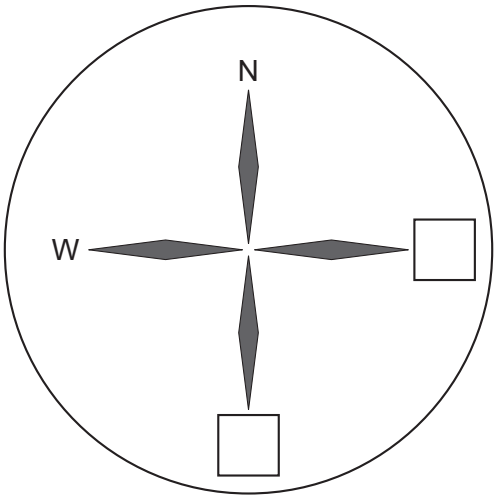
Circle the number that is a multiple of 2.

[1]

Page Total

6 Taniela has a compass but it is broken.

Mend the compass by writing in the missing directions.



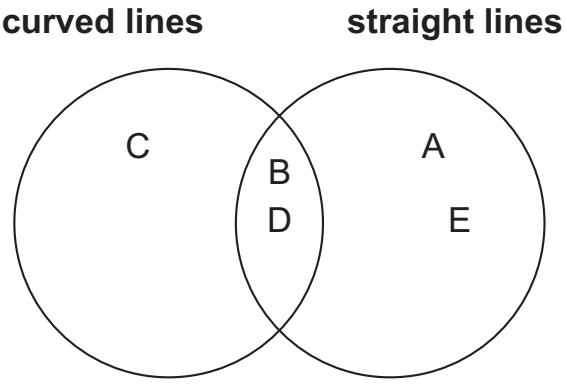
[1]

7 Fill in the missing numbers.

(a) 3 metres = ... centimetres [1]

(b) 2 kilometres = ... metres [1]

8 Ashok writes letters in a Venn Diagram.
Here is his diagram.



Put the letters **F** and **G** in the Venn Diagram.

[1]

Page Total

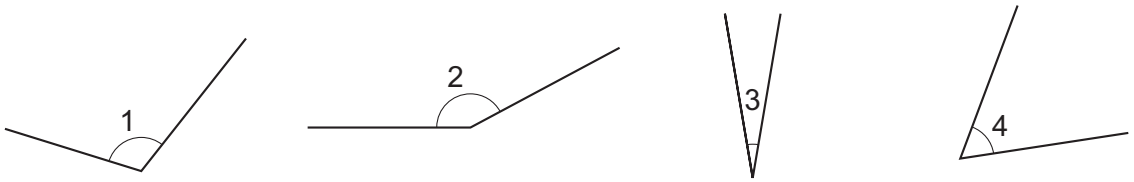
9 Calculate

4 x 8 = ☐

9 x ☐ = 54

[1]

10 Put these angles in order of size, starting with the **largest**.

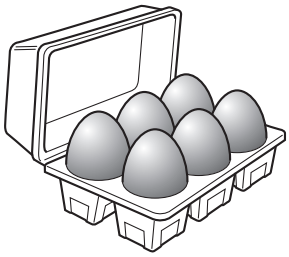


....

largest **smallest**

[1]

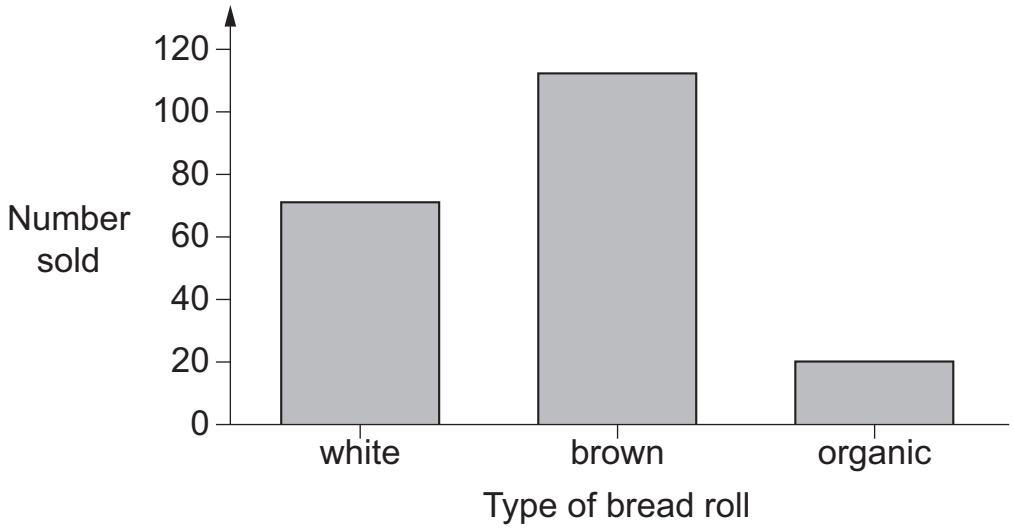
11 There are 6 eggs in a box.
How many boxes will 78 eggs fill?



..... boxes [1]

Page Total ☐

12 The bar chart shows the number of bread rolls sold at a bakery.



How many organic rolls are sold?

..... [1]

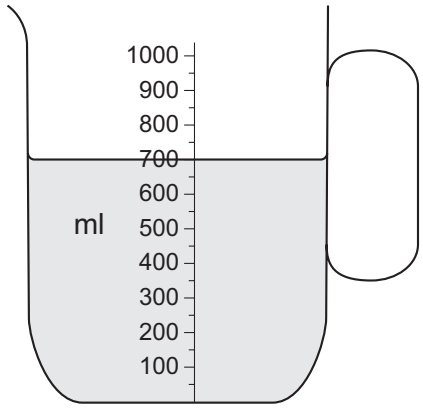
13 Charlotte goes to sleep at 7:30 pm.
She wakes up at 6:30 am the next morning.

For how many hours does she sleep?

..... hours [1]

Page Total

14 This jug contains water.



Victoria pours 50 ml of this water into a drink.
How much water is left in the jug?

.....ml [1]

15 A concert hall has 49 rows of seats.
There are 34 seats in each row.

Estimate the number of seats in the concert hall, by rounding these numbers to the nearest ten.

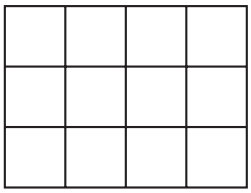
..... [1]

16 Draw a line which measures 57 mm.
You **must** use a ruler.

[1]

Page Total

17 Ali, Bob and Tim share a chocolate cake.
The cake is cut into 12 pieces.



Ali eats $\frac{1}{4}$ of the cake.

Bob eats $\frac{1}{3}$ of the cake.

Tim eats $\frac{1}{6}$ of the cake.

(a) Shade the cake to show how much Ali eats.

[1]

(b) Who eats the least cake?

..... [1]

(c) How many twelfths of the cake does Bob eat?

$\frac{\square}{12}$ [1]

18 Calculate 35.42 – 23.37

..... [1]

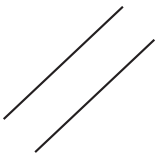
Page Total

19 Complete these calculations.

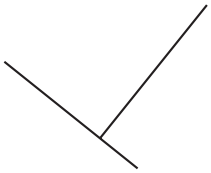
(a) 4.68 x 100 = ☐ [1]

(b) 5700 ÷ 1000 = ☐ [1]

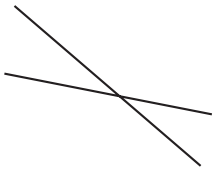
20 Here are 3 pairs of lines.



Pair 1



Pair 2



Pair 3

Complete these sentences.

Pair ..... are perpendicular lines.

Pair ..... are parallel lines. [1]

21 **(a)** Calculate:

3.5 x 7

..... [1]

(b) Calculate:

8.4 ÷ 6

..... [1]

Page Total

22 Here is a bus timetable to Heathrow Airport, UK.

Walton-on-Thames	0447	0527	0557	0627	0657
Shepperton	0452	0532	0602	0632	0702
Sunbury	0458	0538	0608	0638	0708
Ashford	0513	0553	0623	0653	0723
Stanwell	0515	0555	0625	0655	0725
Heathrow Terminal 4	0520	0600	0630	0700	0730
Hatton Cross	0524	0604	0634	0704	0734
Harlington	0533	0613	0643	0713	0743
Heathrow Airport Central	0540	0620	0650	0720	0750

Priyanka lives in Shepperton.
She needs to catch a bus to be at Heathrow Airport Central by 7 am.

(a) What is the **latest** time she can leave Shepperton to arrive on time?

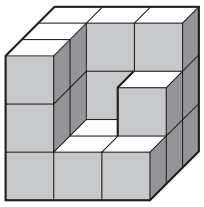
..... [1]

(b) How many minutes is the bus journey from **Heathrow Terminal 4** to **Heathrow Airport Central**?

..... minutes [1]

23 Meri is making a large cube from smaller cubes. She has completed 3 faces.

 represents the smaller cubes



What is the least number of smaller cubes she needs to complete her large cube?

..... [1]

Page Total

24 I am thinking of a number.
Two-thirds of my number is the same as one quarter of fifty-six.

What is my number?

..... [2]

25 A group of children take a Maths test and a Science test.
Their results are shown in the table.

Name	Score in Maths test	Score in Science test
Lena	6	7
Suzanah	8	10
Serene	5	6
Jasmine	10	9
Dawn	9	9
Chris	8	10
Lee	9	10
Eric	7	9
Tan	10	9
Fong	10	10

(a) What is the range for the **Maths test scores**?

..... [1]

(b) What is the modal score for the **Maths test**?

..... [1]

(c) What is the median score for the **Science test**?

..... [1]

Page Total

26 Here is a magic square.
Each row, column and diagonal add up to the same number (the magic number).

18	8	
	12	20
14	16	6

(a) Fill in the missing numbers.

[1]

(b) What is the magic number?

..... [1]

Page Total