



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**

Paper 2

**0842/02**

**May/June 2009**

**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	
1	
2	
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16	
<b>Total</b>	

This document consists of **14** printed pages and **2** blank pages.



1 Here are 4 numbers.

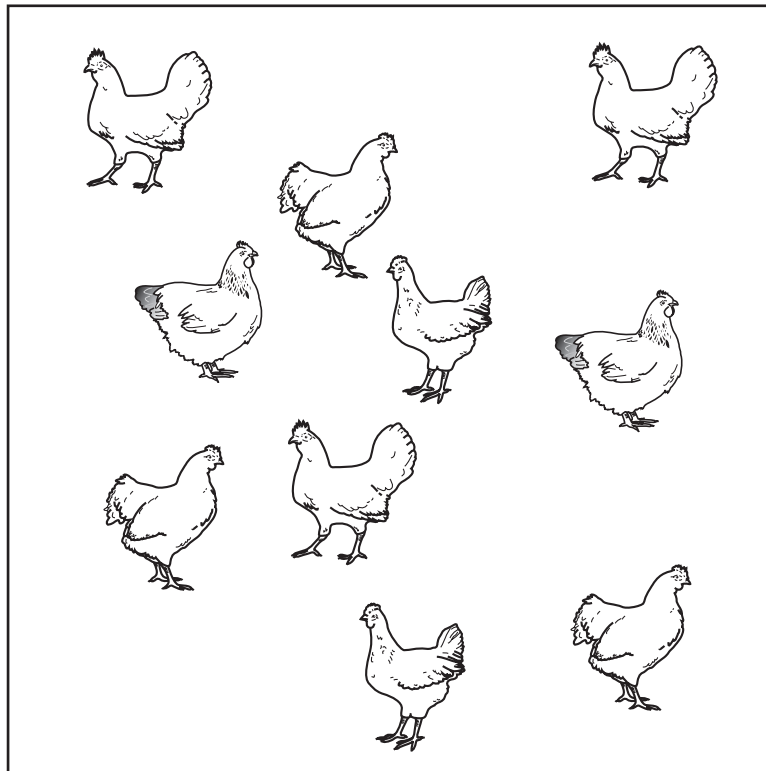
91      47      43      79

Put them in order from largest to smallest.

.....  
Largest Smallest [1]

2 Here are some chickens.

Draw a circle round  $\frac{1}{5}$  of the chickens.



[1]

3 (a) Complete the following calculation.

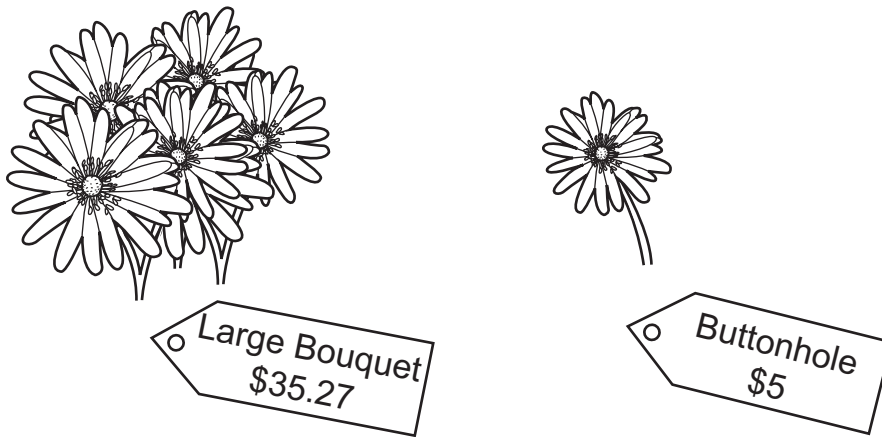
$$35 + \boxed{\phantom{0000}} = 100 \quad [1] \quad \boxed{\phantom{00}}$$

(b) Manfred drives 450 km each week.

How many km does he drive in two weeks?

..... km [1]

4 (a) Lailee is planning a wedding.



She orders a large bouquet and 6 buttonholes.

How much change does she get from \$100?

\$ ..... [2]

(b) Lailee wants to order small bouquets.

She cannot spend more than \$65 in total.



Lailee says she can order 3 small bouquets.

Is she correct?

Write a calculation to help explain your answer.

..... [2]

Page Total

5 (a) Write in figures forty three thousand and seventy-five.

..... [1]

(b) Write in words 6459.

..... [1]

6 Circle the odd numbers.

567	746	764	674	466
646	476	576	476	
676	454	765	654	764

[1]

7 Billah checks his calculations with the inverse operation.

$$486 - 47 = 439$$

→  
because

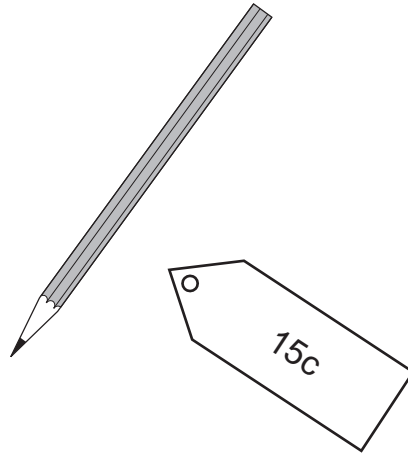
$$439 + 47 = 486 \quad \checkmark$$

Show how to check this calculation using the inverse operation.

$$314 - 58 = 256$$

[1]

- 8 Pencils cost 15c each.  
How many pencils can Meera buy for \$1?



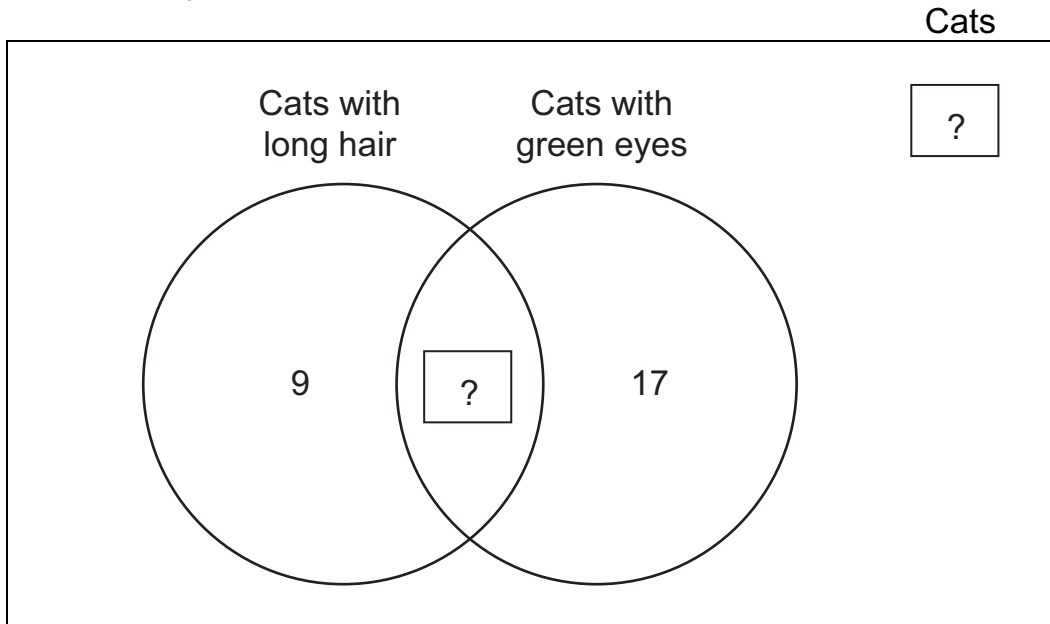
.....pencils [1]

- 9 Explain how to work out  $68 \div 2$

..... [1]

10 Julia recorded data about cats in her village.

14 cats have long hair.



(a) How many cats have long hair and green eyes?

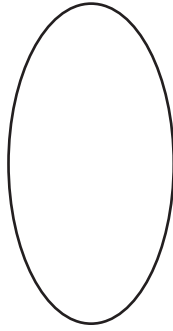
..... cats [1]

(b) In total Julia recorded 43 cats.

How many cats do **not** have long hair or green eyes?

..... cats [1]

11 Here is a 2D shape.



- (a) How many lines of symmetry does it have?  
You can draw them if it helps.

..... lines of symmetry [1]

- (b) Name another 2D shape with the same number of lines of symmetry.

..... [1]

12 Murray turns exactly a quarter turn.

- (a) Write this amount of turn as a measurement, with the correct units.

..... [1]

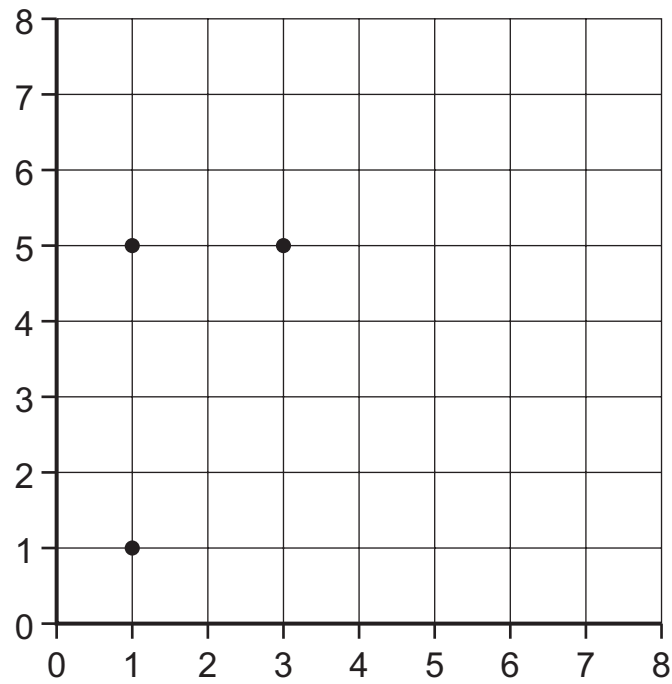
- (b) How many right angles are there in a full turn?

..... [1]

Page Total



13 (a) These dots are 3 corners of a rectangle.



What is the co-ordinate of the missing point?

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

(b) Put a cross at (7, 6).

[1]

14 (a) Write the next **two** numbers in this sequence of prime numbers.

5            7            11            13            ..... [1]

(b) What is the only **even** prime number?

..... [1]

(c) Is 1 a prime number?

..... [1]

15 What is  $139072.5 \div 6$ ?

Give your answer to 1 decimal place.

..... [1]

16 Here is a magic square, but some numbers are missing.  
Each row, column and diagonal must add up to the same number.

Complete the magic square.  
You must **not** use the same number twice.

4		9
	6	
3		8

[3]

Page Total

17 Ramesh learns to hold his breath underwater.

He practises 5 times.

The table shows how long he holds his breath each time in second(s).

Time 1	18.4s
Time 2	18.2s
Time 3	17.4s
Time 4	17.8s
Time 5	18.2s

To join the swimming club, Ramesh has to hold his breath for 18 seconds.

(a) Can Ramesh join the swimming club?

..... [1]

(b) Use averages to explain your answer.

..... [1]

(c) Byama also practices holding his breath underwater five times.

Here are his times in seconds.

Time 1	17.7s
Time 2	18.1s
Time 3	17.9s
Time 4	17.8s
Time 5	17.9s

Byama holds his breath one more time.

Circle the word that describes the likelihood that he will hold his breath for 18 seconds or more.

**certain**

**likely**

**unlikely**

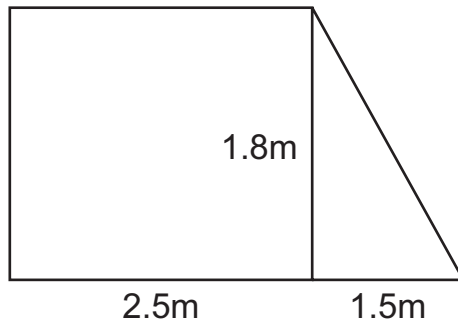
**impossible**

[1]

Page Total

[Turn over

18 Elliot digs a vegetable plot.



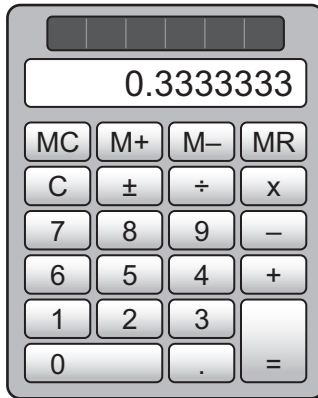
Calculate the area of the vegetable plot. **Include the right units.**

Show your working, you may get a mark.

..... [2]



19 Barika does a calculation on her calculator. Here is her answer.



Write the answer as a fraction.

..... [1]

20 A vase contains 25 flowers.  
The flowers are red or yellow.  
There are 3 red flowers to every 2 yellow flowers.

How many red flowers are there?

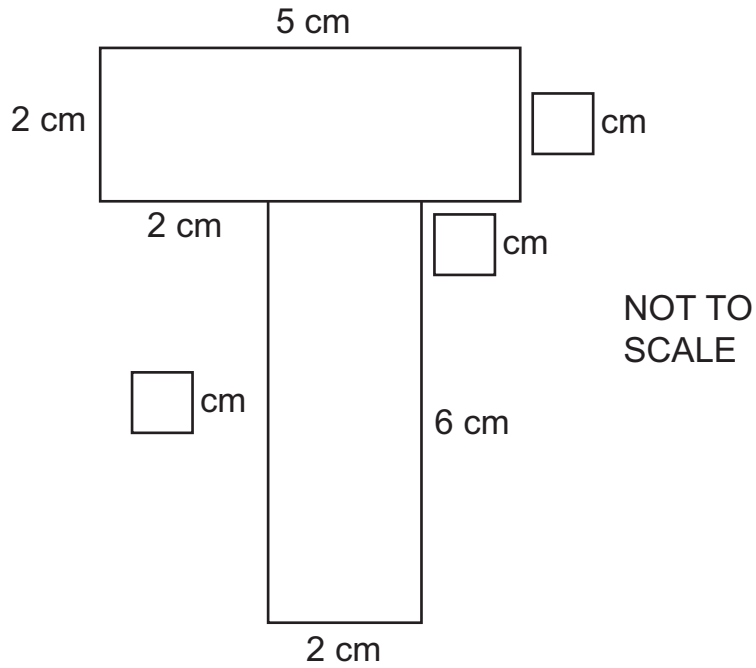
..... red flowers [1]

21 A gold miner digs 2.395 tonnes of gold ore in 14 days.

How much ore is this in kg?

..... kg [1]

22 This shape is made of two rectangles.



(a) Find the missing numbers.

[1]

(b) Find the perimeter of the shape.

..... [1]



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