Cambridge Primary Checkpoint

Cambridge International Examinations
Cambridge Primary Checkpoint

CANDIDATE NAME	
CENTRE NUMBER	
CANDIDATE NUMBER	

3935955782

MATHEMATICS **0845/01**

Paper 1 **April 2017**

45 minutes

Candidates answer on the Question Paper.

Additional Materials: Pen, Pencil, Ruler, Protractor, Tracing paper (optional)

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.
NO CALCULATOR 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.
The total number of marks for this paper is 40.

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

CAMBRIDGE International Examinations

1 Write the missing number in the box.

4056 = 4000 + ☐ + 6

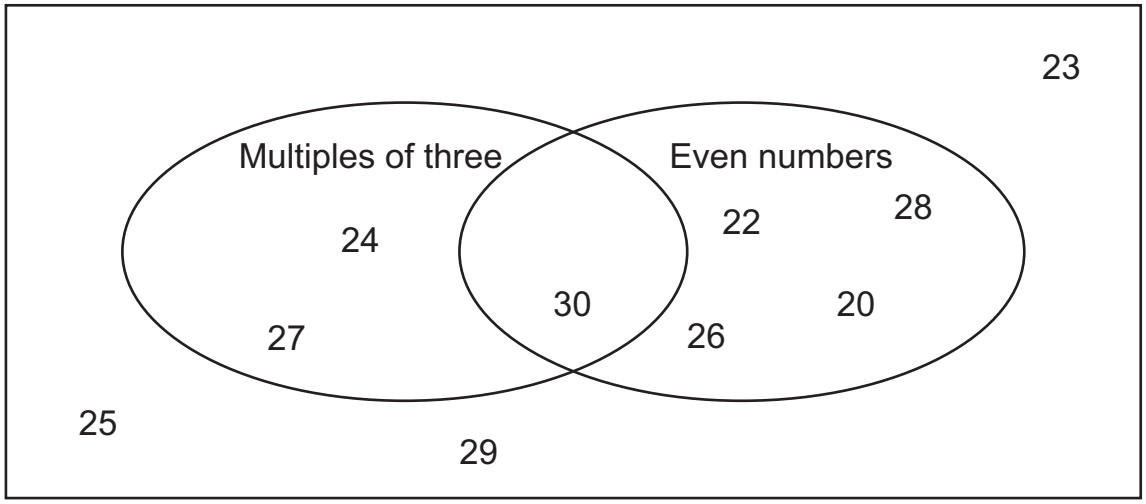
[1]

2 An aeroplane travels 54 km in 6 minutes at a constant speed.

How far does it travel in 1 minute?

.....km [1]

3 Rajiv draws a Venn diagram to show the set of numbers from 20 to 30



(a) The number 21 is missing.

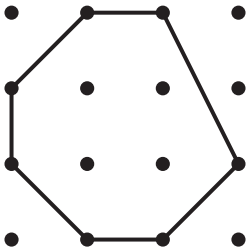
Write it in the correct place on the diagram. [1]

(b) One number has been written in the wrong place.

Which number is it?

..... [1]

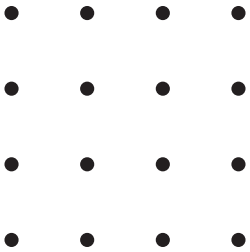
4 **(a)** Here is a shape drawn on a dotted grid.



Name the shape.

..... [1]

(b) Use this grid to draw a trapezium with 1 line of symmetry.



[1]

5 Lily, Safia and Manjit have 24 marbles altogether.

Manjit has the same number of marbles as Lily and Safia together.

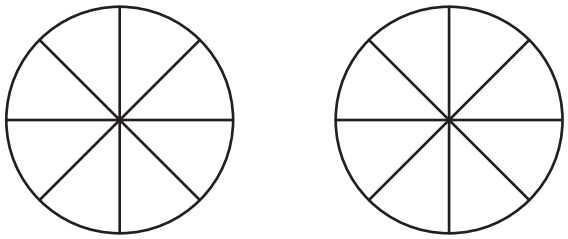
Lily has 5 marbles.

How many marbles does Safia have?

..... marbles [2]

6 Mike has 2 pizzas.

Each pizza is cut into 8 equal slices.



Mike eats 2 slices from **each** pizza.

How much pizza does he have left?

Write your answer as a mixed number.

.....pizzas [1]

7 Yuri records the favourite colour of the children in his class.

Blue	Red	Green	Yellow	Red	Red	Green
Yellow	Blue	Red	Green	Red	Green	Yellow

(a) Complete the **frequency** column to show this data.
You might find the tally column useful.

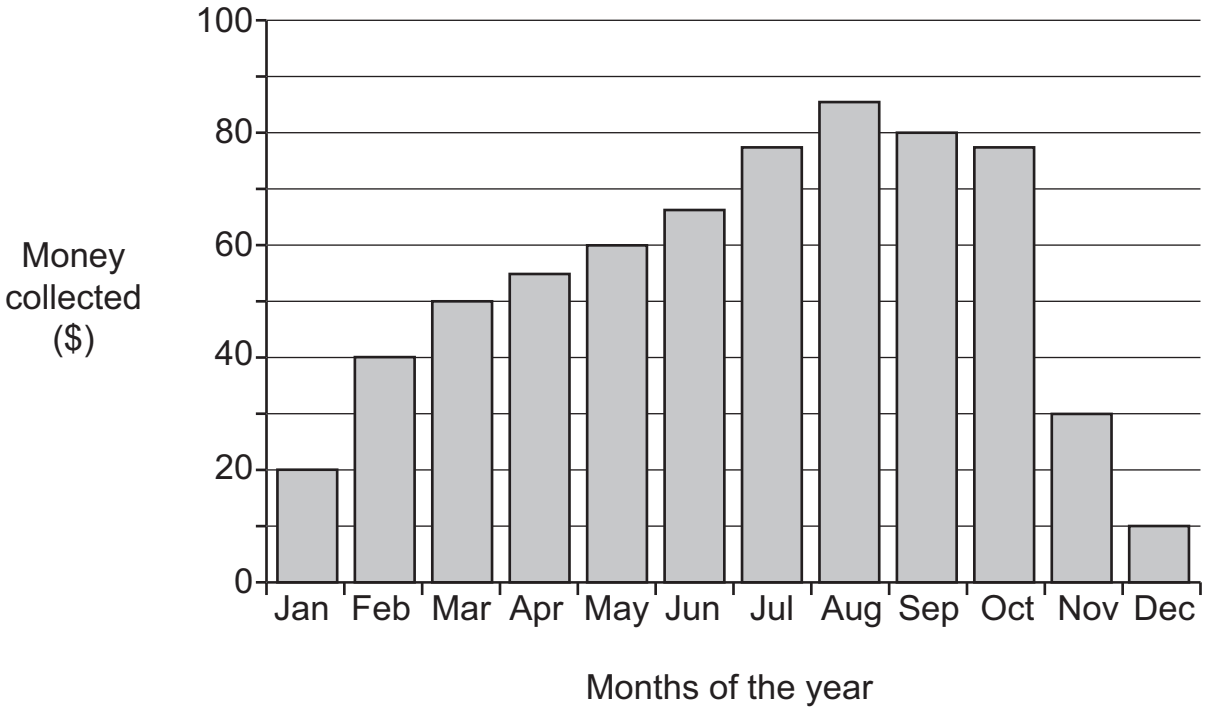
Favourite colour	Tally	Frequency
Blue		
Green		
Red		
Yellow		

[1]

(b) Which colour is the mode?

..... [1]

8 Here is a bar chart showing the money collected each month at a swimming pool.



(a) How much money was collected altogether in November and December?

$ ..... [1]

(b) In which months was more than $70 collected?

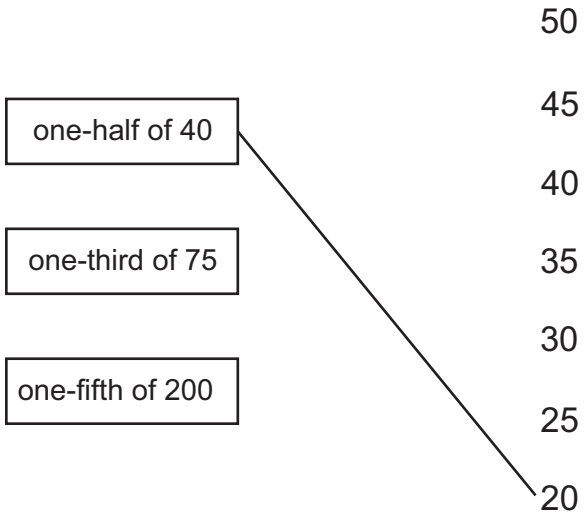
..... [1]

9 What is 1000 ml more than 3250 ml?

..... ml [1]

10 Draw a line to match each box to the correct number.

The first one has been done for you.



[2]

11 Here is a sequence of square numbers.

Complete the sequence.

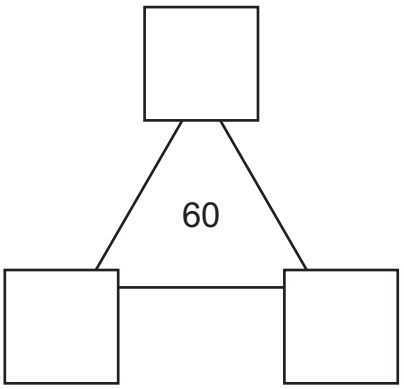
1, 4, 9, ☐, 25, ☐, ☐

[1]

12 Here is a puzzle.

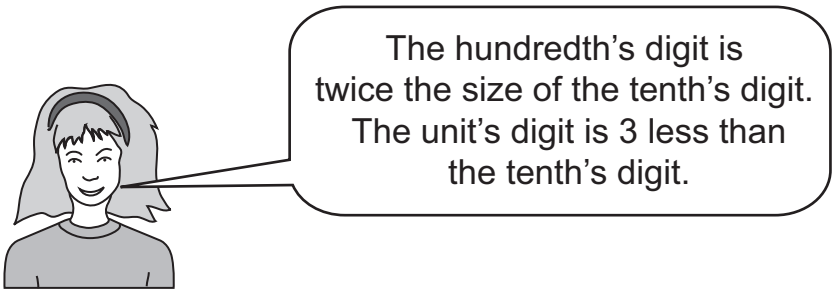
Write a **different** multiple of 6 in each box.

The corner numbers must add up to 60



[2]

13 Jamila is thinking of a decimal number.



What number could Jamila be thinking of?

..... [1]

14 A bag contains the following cards.

A	**D**	**F**	**L**	**R**	**W**

One card is taken out at random.

Draw a line to match each statement with the correct probability word.

The first one has been done for you.

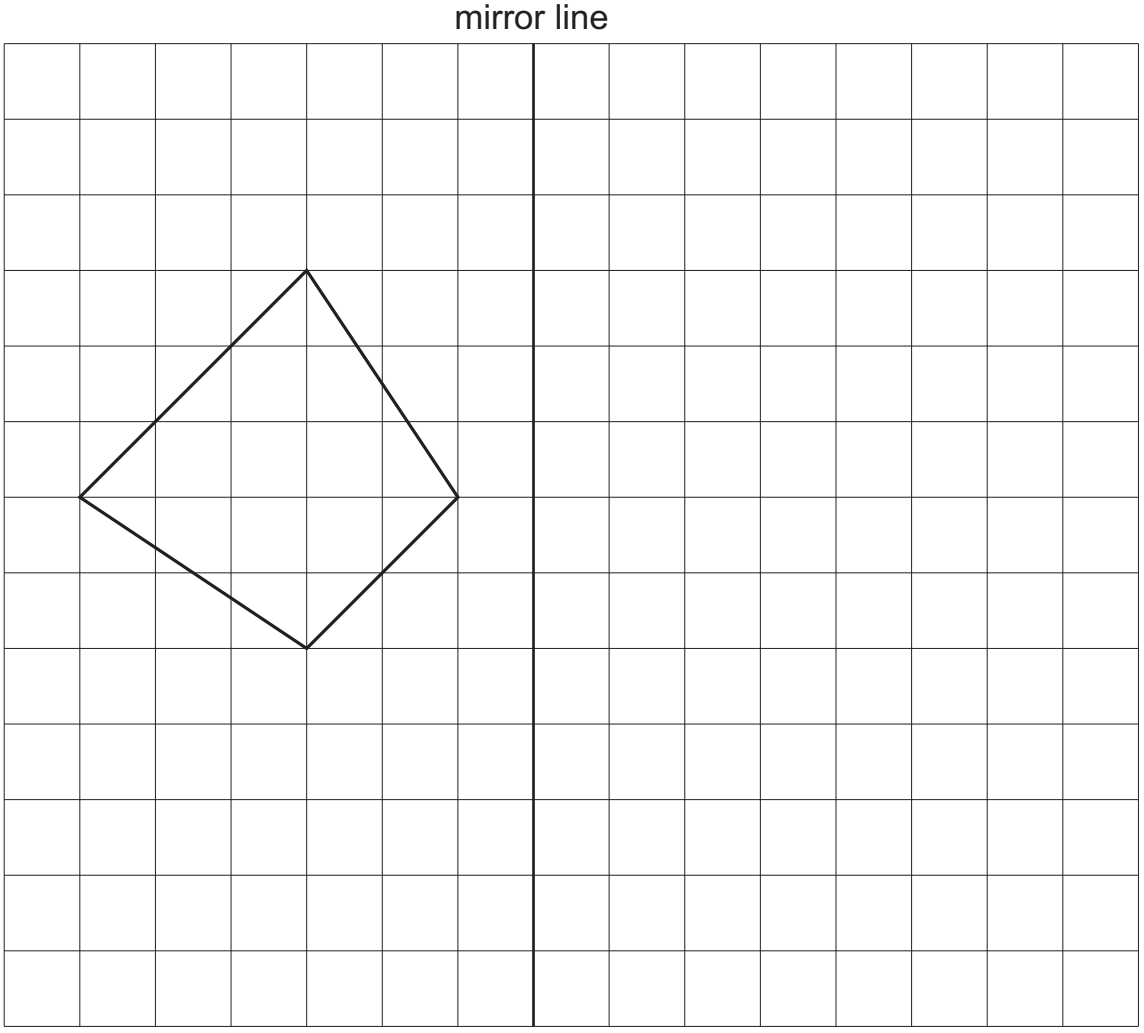
The card has a letter T on it	Impossible
	Unlikely
The card has a letter R on it	Even chance
	Likely
The card has a capital letter on it	
	Certain

[1]

15 What is the **remainder** when 95 is divided by 7?

..... [1]

16 Draw the reflection of the shape in the mirror line.



[1]

17 Here is a number sentence.

112 × 7 = 784

Show how you can use this information to solve

(a) 112 × 70

.....

..... [1]

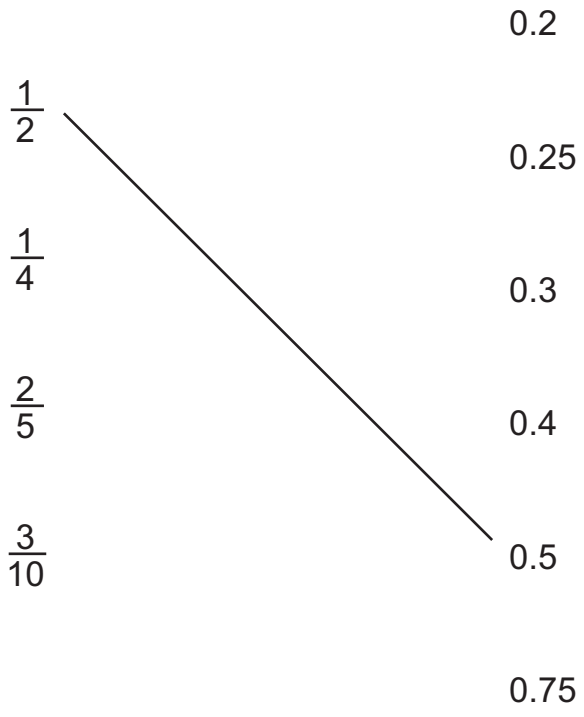
(b) 11.2 × 7

.....

..... [1]

18 Draw a line to match each fraction to an equivalent decimal.

The first one has been done for you.



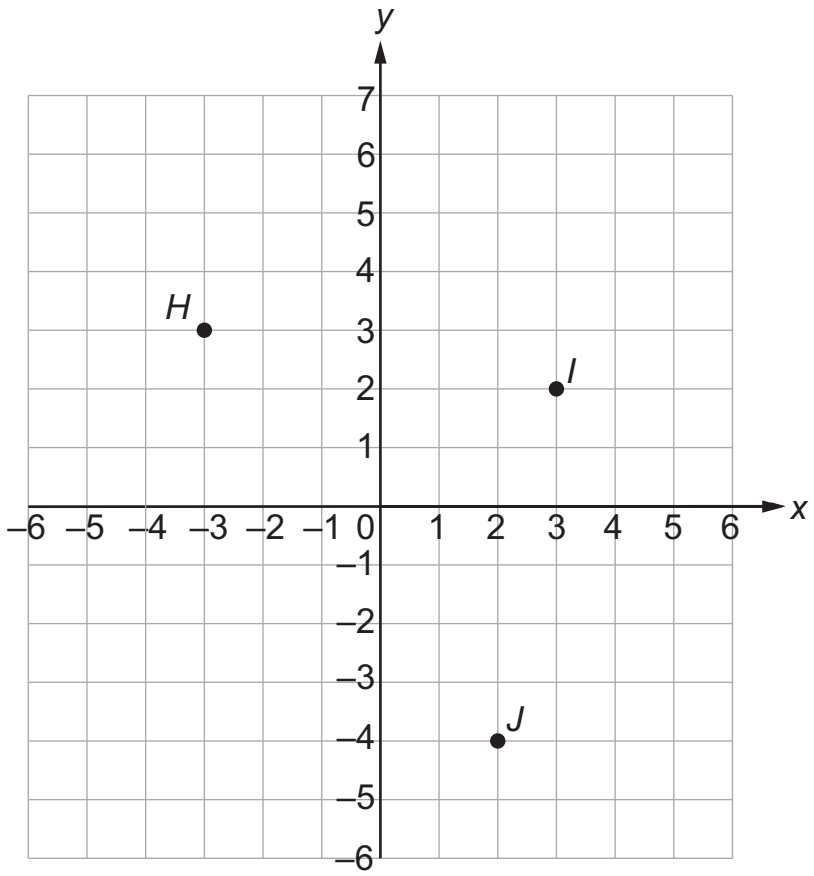
[2]

19 Complete the calculations.

(a) 3.7 + ☐ = 10 [1]

(b) ☐ + 0.24 = 1 [1]

20 The points *H*, *I* and *J* are plotted on a co-ordinate grid.



(a) Find the co-ordinates of point *K* so that *HIJK* is a square.

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

(b) Plot point *K* on the grid. [1]

21 Here are five numbers.

3.2 3.14 3.42 3.4 3.12

Place them in order of size starting with the smallest.

smallest largest

[1]

22 Complete this calculation.

35 × 8 = ☐ × 2

[1]

23 Here are some statements.

Write **true** if the statement is correct.

Write **false** if it is not correct.

The first one has been done for you.

When two even numbers are added the answer is even.	true
When two odd numbers are added the answer is even.	
When two even numbers are multiplied the answer is even.	
When two odd numbers are multiplied the answer is even.	

[1]

24 List all the factors of 33

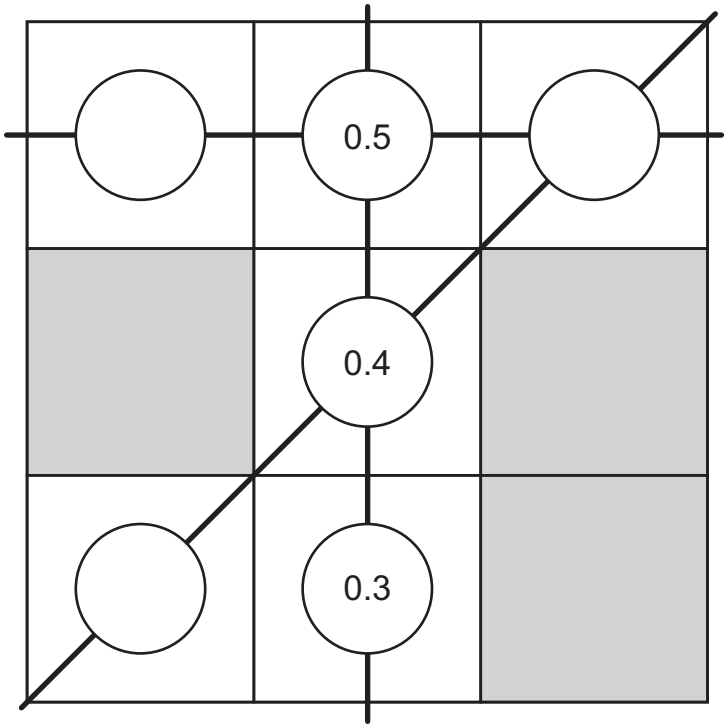
[1]

25 Mia has three counters with numbers on them.

0.1 0.2 0.6

She places them on the grid so each line of three counters has the **same total**.

Use Mia's counters to complete the grid.



[1]

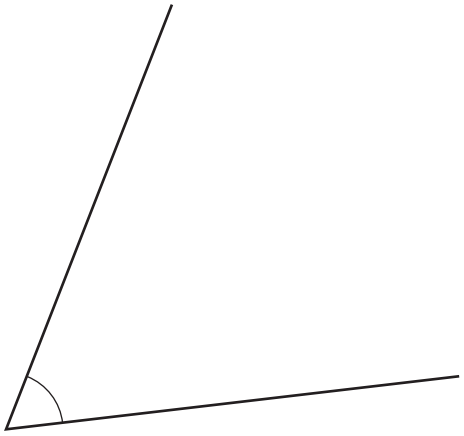
26 Complete the calculations.

$\square \times 10 = 26.9$

$358 \div 100 = \square$

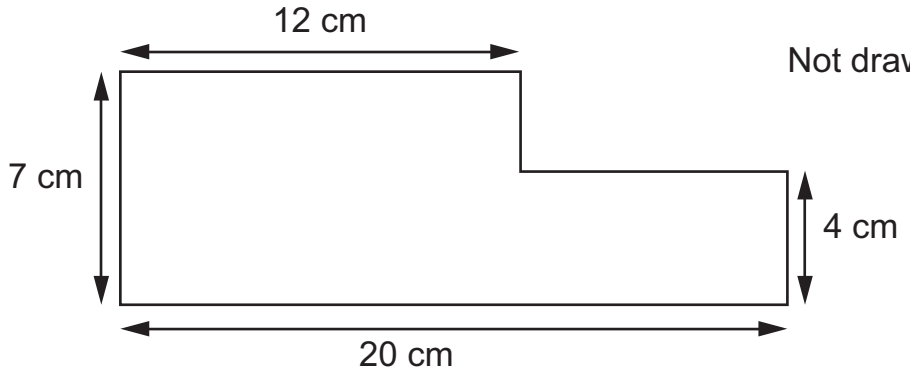
[1]

27 Measure the size of the angle.



..... ° [1]

28 Find the area of this shape.



Not drawn to scale

Show your working.

..... cm^2 [2]

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