Cambridge Primary Checkpoint

Cambridge International Examinations
Cambridge Primary Checkpoint

CANDIDATE NAME									
CENTRE NUMBER						CANDIDATE NUMBER			

0040814365

MATHEMATICS **0845/01**

Paper 1 **October 2018**

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.

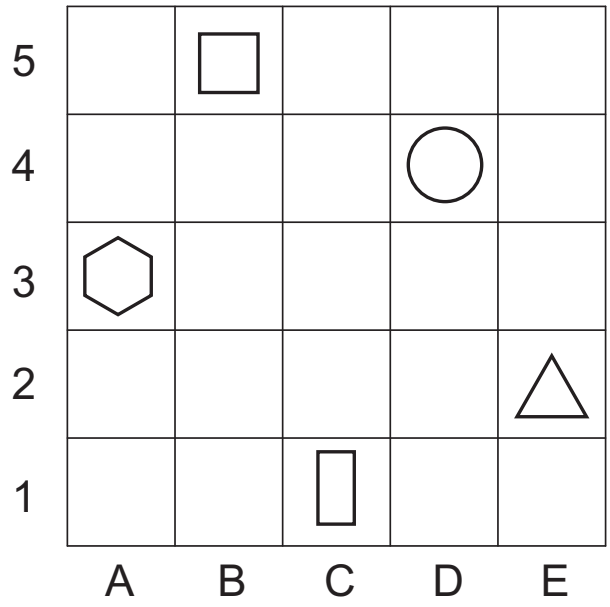
Calculators are **not** allowed.

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.
The total number of marks for this paper is 40.

This document consists of **15** printed pages and **1** blank page.

CAMBRIDGE International Examinations

1 Here are some shapes on a square grid.



Write down the position of the triangle.

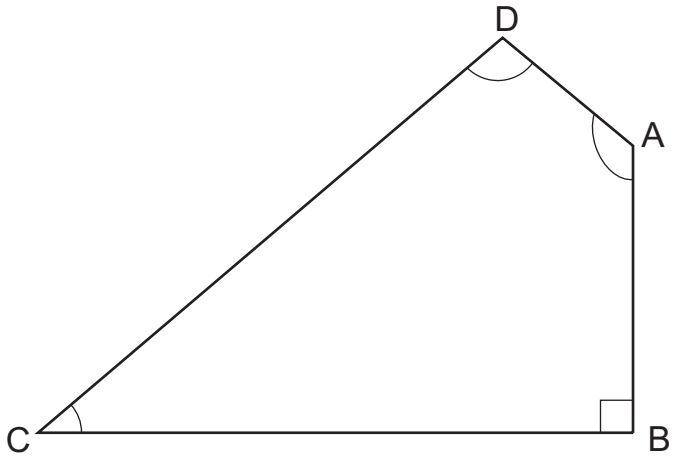
..... [1]

2 A shop has 245 magazines.
The shop sells 79 magazines.

How many are left?

..... magazines [1]

3 Here is a quadrilateral.



Write the letters of the angles in order of size from smallest to largest.

....

smallest largest

[1]

4 This table shows how many people visited an aquarium each day for a week.

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	

Key :  represents 20 people

How many more people visited the aquarium on Saturday than Thursday?

..... people [1]

5 Complete this multiplication square.

×	3	5	
4	12		36
	18	30	
2		10	18

[2]

6 Here is part of a number sequence.

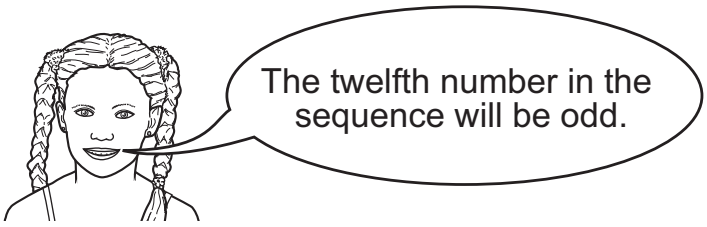
5, 10, 15, 20, 25, ...

The sequence continues in the same way.

(a) Write the next odd number in the sequence.

..... [1]

(b) Lily says,



Tick (✓) to show if Lily is correct.

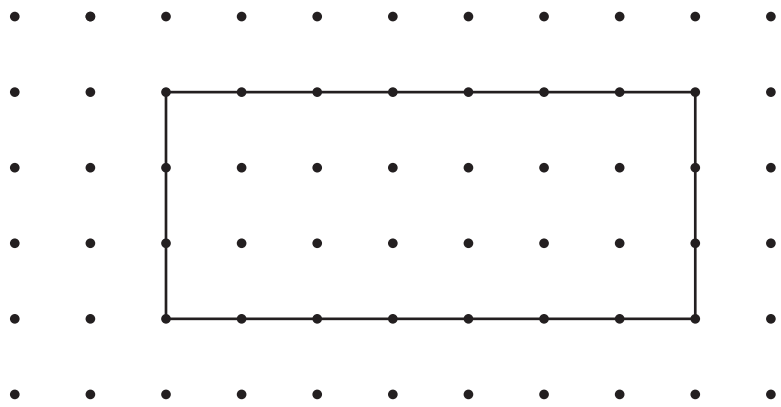
Yes ☐ No ☐

Explain your answer.

.....

..... [1]

7 Here is a rectangle drawn on a 1 cm grid.



What is the perimeter of the rectangle?

.....cm [1]

8 This chart shows the lowest daily temperatures recorded in a week.

Day	Temperature (°C)
Monday	−11
Tuesday	−9
Wednesday	−8
Thursday	−6
Friday	−4
Saturday	−9
Sunday	−8

On how many days was the temperature lower than −7°C?

.....days [1]

9 Here are four digit cards.

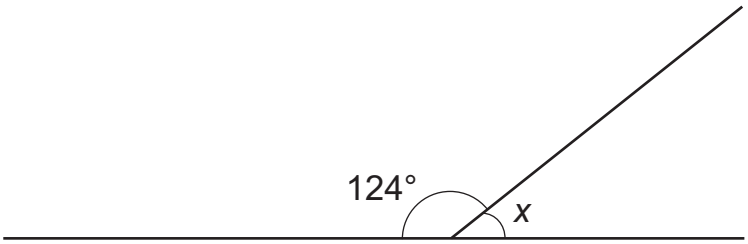
3	4	5	7

Use each digit card once to make a total of 10

$\square.\square + \square.\square = 10$

[1]

10 Calculate the size of angle *x*.



Not drawn to scale

x = ... ° [1]

11 Write $\frac{17}{5}$ as a mixed number.

..... [1]

12 Measure the length of the line in **millimetres**.

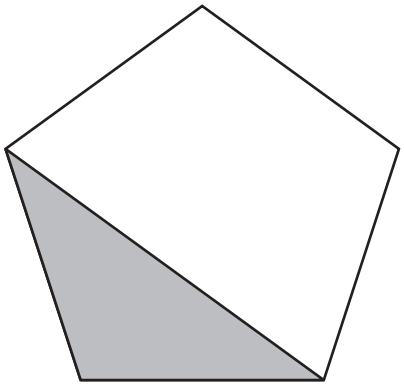
..... mm [1]

13 Draw a ring around the number closest to 6700

6750 700 68 6651 7000 [1]

14 (a) A shaded triangle is drawn inside a **regular** pentagon.

Draw a ring around the name of the shaded triangle.



equilateral

isosceles

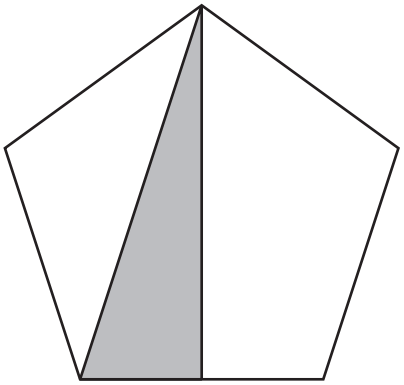
scalene

Explain your answer.

..... [1]

(b) A **different** shaded triangle is drawn inside the regular pentagon.

Draw a ring around the name of the shaded triangle.



equilateral

isosceles

scalene

Explain your answer.

..... [1]

15 Here is a recipe to make 12 cakes.

100 g flour
100 g margarine
75 g sugar
2 eggs

How much **sugar** is needed to make 36 cakes?

..... grams [1]

16 Here is **part** of a 100 square.

There are counters on some numbers.

13	14	15	●	17	18	19
23	24	●	26	27	28	29
33	34	35	●	37	38	39
43	44	45	46	47	48	●
53	54	55	56	57	58	59
63	●	65	66	67	68	69

(a) What mathematical property do these numbers have in common?

..... [1]

(b) On a **full** 100 square what is the next number to be covered?

..... [1]

17 These are all times in the morning.

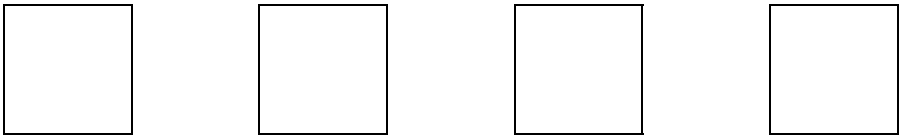
A five minutes to seven

B quarter to ten

C half past seven

D 9:10

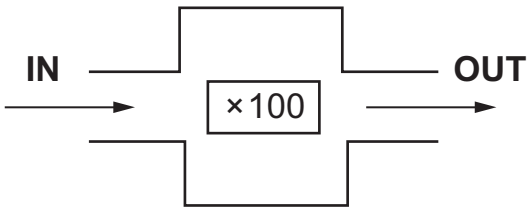
Write the letters for the times in order, starting with the **earliest**.



earliest latest

[1]

18 Safia puts some numbers into a function machine.



She starts to fill in a table of her results.

IN	OUT
1.5	150
	937
6.2	
	49
0.07	

Complete her table. [2]

19 A class of 30 children go on a school outing.
It costs \$6.60 for one child.

Work out the total cost for all 30 children.

\$ ..... [1]

20 Here is a bag of apples and a bag of oranges.

(a) How much does **one** apple cost?

.....cents [1]

(b) Tick (✓) to show which fruit costs more.

one orange ☐ one apple ☐

You must show your working.

[1]

21 Here are four digit cards.

1	2	7	9

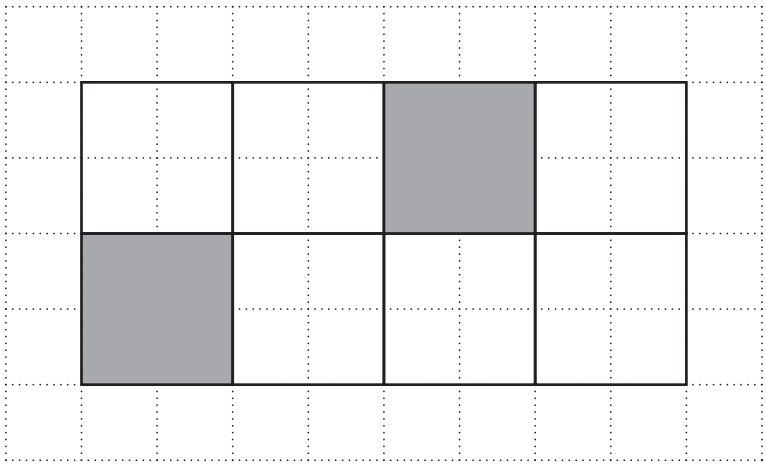
Use each card once to make **two** 2-digit prime numbers.

[1]

22 Divide 5.4 by 6

..... [1]

23 Here is a rectangle drawn on centimetre squared paper.



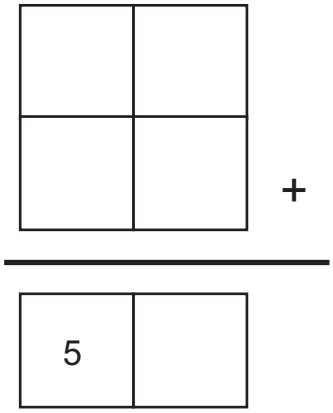
What percentage of the rectangle is shaded?

.....% [1]

24 Here are five digit cards.

1	2	3	4	8

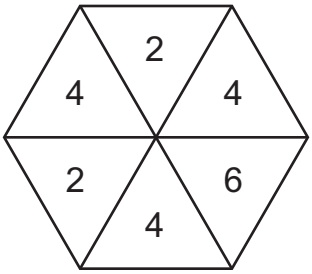
Use each card **once** to make this calculation correct.



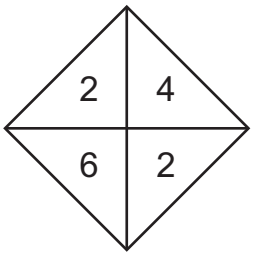
[1]

25 Here are two spinners.

Spinner A



Spinner B



(a) What is the likelihood of spinning a 4 on Spinner A?

..... [1]

(b) Rajiv spins both spinners and adds the results.

What is the likelihood that the total will be an odd number?

..... [1]

26 Calculate 25% of 36

..... [1]

27 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.

A square has four equal sides.	true
A parallelogram has two pairs of parallel sides.	
A rhombus has four equal angles.	
A trapezium has one pair of parallel sides.	
A rhombus has four equal sides.	

[2]

28 Here is information about 30 students in a class.

- 18 of the students do not walk to school.
- Three quarters of the students who walk to school are boys.
- There are 6 more girls than boys who do not walk to school.

Use the information to fill in the missing numbers in this table.

	Number who walk to school	Number who **do not** walk to school	Total
Number of boys			
Number of girls			
Total	12	18	30

[2]

29 Calculate $\frac{3}{10}$ of 36 metres.

.....metres [1]

30 What is the value of the 5 in this number?

403.15

..... [1]

31 Calculate $4 \times (2 + 3 \times 5)$

..... [1]

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