Cambridge Assessment International Education

Cambridge Primary Progression Test

Mathematics paper 1

Stage 5

6468364424

45 minutes

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Page	**Mark**
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Name .....

Additional materials: Ruler
Protractor

Calculators are **not** allowed.

READ THESE INSTRUCTIONS FIRST

Answer **all** questions in the spaces provided on the question paper.

You should show all your working on the question paper.

The number of marks is given in brackets [ ] at the end of each question or part question.

The total number of marks for this paper is 40.

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1 Complete the following.

4593 + ☐ = 4804

☐ + 78 = 121

[1]

2 Write in the missing numbers.

☐ + 0.3 = 1

1 – ☐ = 0.6

[1]

3 Mia calculates 3 × 19 by multiplying by 20 and then adjusting.

3 × 19	57
3 × 20	60

Use her method to complete these calculations.

(a)

6 × 19	
6 × 20	

[1]

(b)

9 × 20	
9 × 21	

[1]

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4 Complete these statements.

Double 4.3 = ...

Double ..... = 5.4

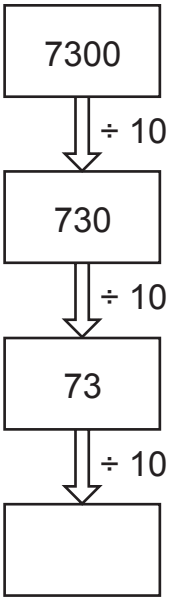
[1]

5 In a cinema there are 15 rows with 26 seats in each row.

How many seats are there altogether?

..... seats [1]

6 Write the missing number in the box.



[1]

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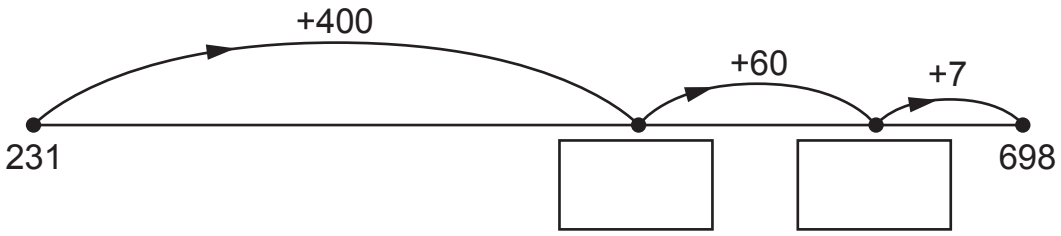
7 Manjit draws a number line to find the answer to 231+ 467



Write the missing numbers in the boxes. [1]

8 Lily buys a backpack, a book and a teddy.

(a) How much does she spend altogether?

$..... [1]

(b) How much change does she receive from $100?

$..... [1]

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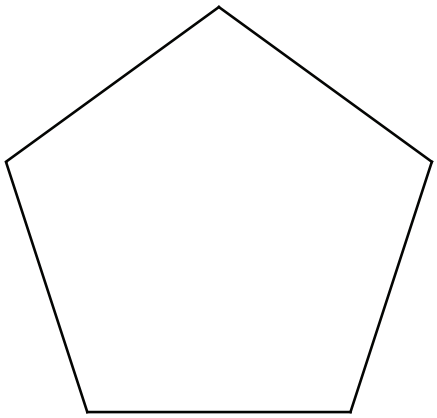
9 Here is a regular pentagon.



(a) Measure the length of one side.

..... cm [1]

(b) Mike draws another regular pentagon.
Each side measures 4.5 cm.

Find the perimeter of Mike's pentagon.

..... cm [1]

10 Ahmed rounds 1846 to the nearest 100

Draw a ring around the correct answer.

1900 1850 1846 1840 1800

[1]

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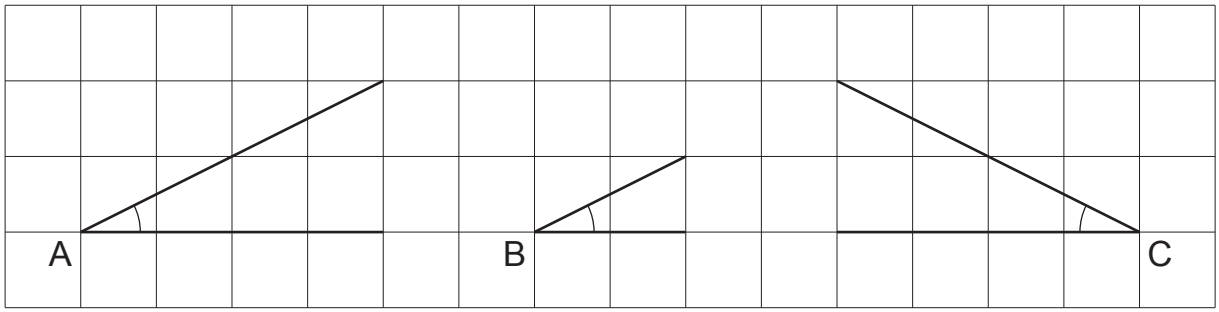
11 Here are three angles A, B and C.



(a) Draw a ring around the word which describes angle A.

acute obtuse right-angled left-angled

[1]

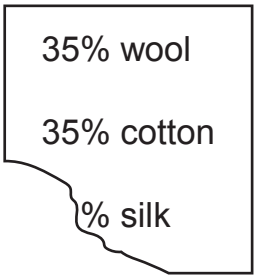
(b) Put one of the signs < , > or = in each box to make correct statements.

angle A ☐ angle B

angle A ☐ angle C

[1]

12 Chen looks at the label in his coat.
Part of it is missing.



What percentage is silk?

..... % [1]

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13 Here is a triangle.

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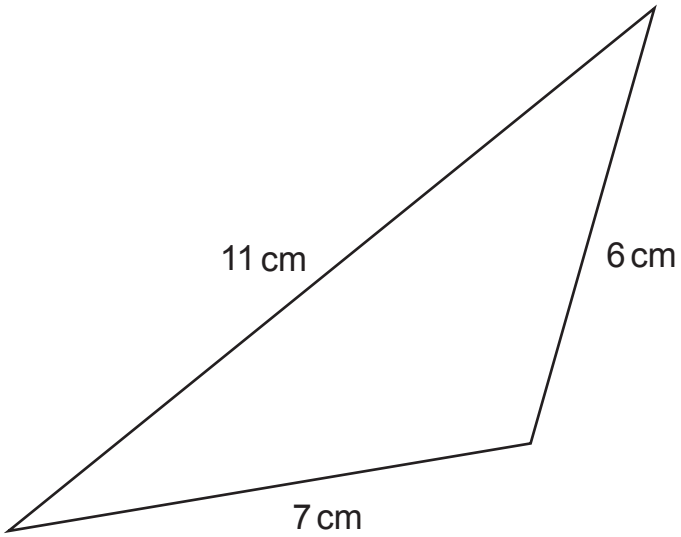

Draw a ring around the word which describes the triangle.

isosceles equilateral scalene

Explain your answer.

.....

..... [1]

14 Three numbers total 173
Two of the numbers are 69 and 56

What is the third number?
Show your working.

..... [2]

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15 Complete the calculation so that the answer is a multiple of 7

$$33 - \square = \square$$

[1]

16 Draw a ring around **all** the numbers that are factors of 45

1 2 3 5 7 9 11 13 15 45

[2]

17 Here are some numbers.

1 4 7 10 100 300

Write one number in each box to complete the statement.

$$347 = (3 \times \square) + (\square \times 10) + (7 \times \square)$$

[1]

18 Aiko is thinking of a 3-digit **even** number.
It is bigger than 800
It is a multiple of 25

Write down a number that Aiko could be thinking of.

..... [1]

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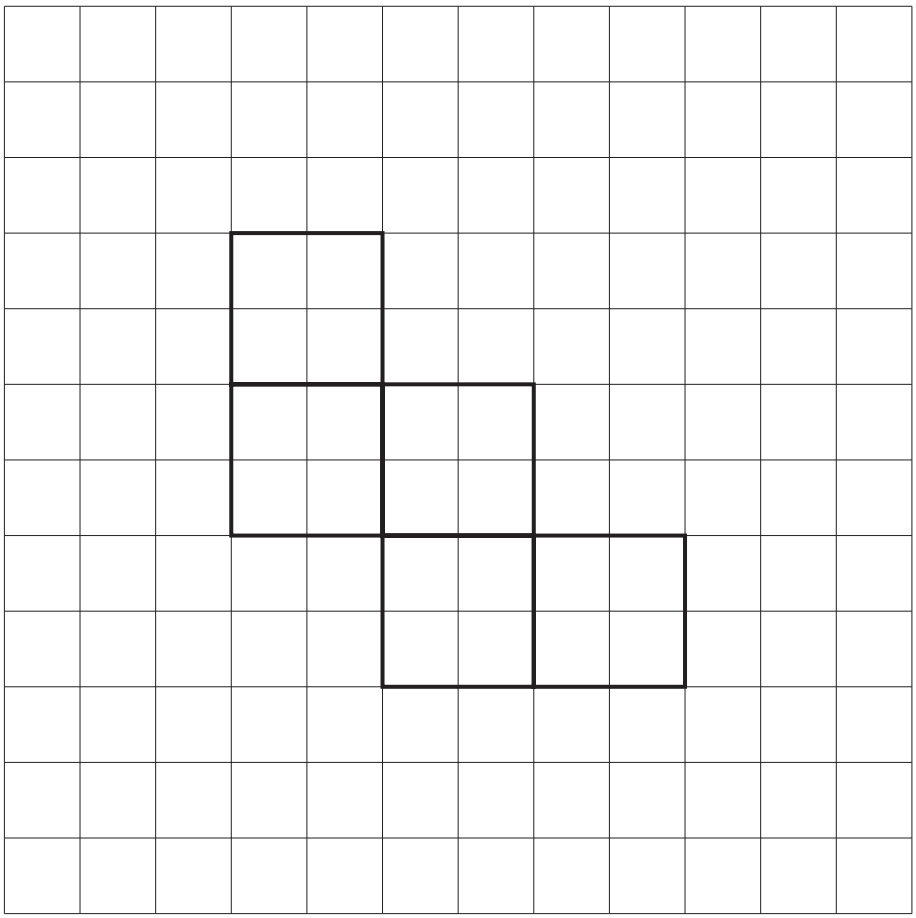
19 The net of an **open** cube is drawn on a centimetre square grid.

Draw one more square to show the net of a **closed** cube.



[1]

20 Yuri's journey to school takes 17 minutes.
He arrives at school at 8:03 am.

What time did he leave home?

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

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21 Put these numbers in order starting with the smallest.

0.6	$\frac{1}{2}$	$\frac{65}{100}$	0.55
.....	.....	.....	.....
smallest			largest

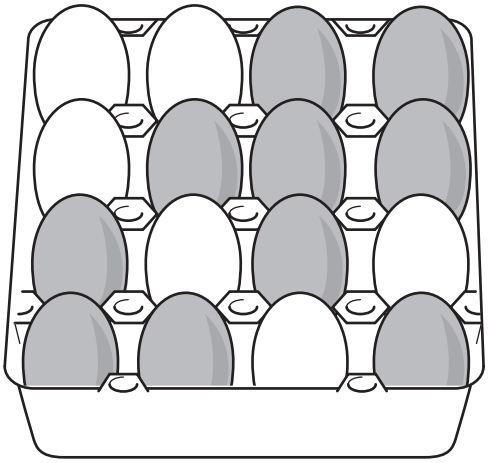
[1]

22 The temperature in Rome is 16 °C.
It is 20 degrees colder in Moscow.

What is the temperature in Moscow?

..... °C [1]

23 A farmer puts eggs in a tray.



What proportion of the eggs is white?

..... [1]

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24 Hassan throws a fair six-sided dice numbered from 1 to 6

Choose a word from this list to describe the likelihood of each event happening when Hassan throws the dice once.

Certain	Even chance	Unlikely	Likely	Impossible

Hassan throws a 7 .....

Hassan throws an odd number. .....

Hassan throws a 1 .....

[2]

25 A shopkeeper has 311 oranges.
15 of them are bad.
He packs the rest equally into 8 boxes.

How many oranges are in each box?
Show your working.

..... oranges [2]

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26 A group of 50 students play either hockey or rounders.

- 17 girls play hockey.
- There are 23 girls altogether.
- 18 boys play rounders.

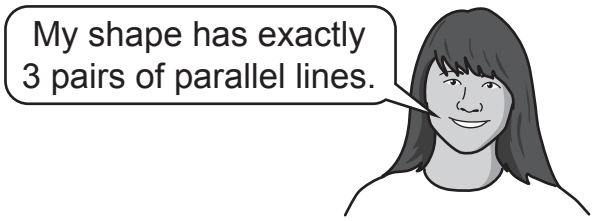
Use this information to complete the table.

	play hockey	play rounders	total
boys			
girls			
total			

[2]

27 Jamila and Carlos are both thinking of **regular** 2D shapes.

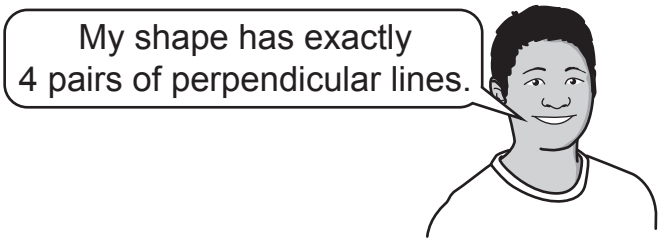
(a) Jamila says,



Name the shape Jamila is thinking of.

..... [1]

(b) Carlos says,



Name the shape Carlos is thinking of.

..... [1]

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28 How many **quarters** do you need to add to $3\frac{1}{4}$ to get $4\frac{1}{2}$?

..... quarters [1]

29 Write the **same** digit in each box to make the statement correct.

$$\frac{\square + (\square \times \square)}{\square} = 5$$

[1]

30 The light in a lighthouse flashes every 20 seconds.

How many times will it flash in one hour?

..... [1]

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