Cambridge Assessment International Education

Cambridge Primary Progression Test

Mathematics paper 1

Stage 6

70977229341

45 minutes

For Teacher's Use	
Page	**Mark**
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
Total	

Name .....

Additional materials: Ruler
Protractor
Tracing paper (optional)

Calculators are **not** allowed.

READ THESE INSTRUCTIONS FIRST

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

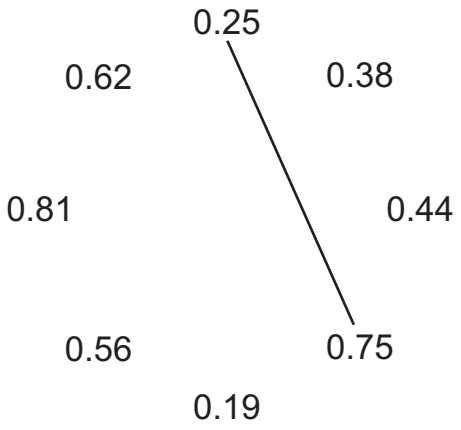
You should show all your working on the question paper.

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.

For Teacher's Use

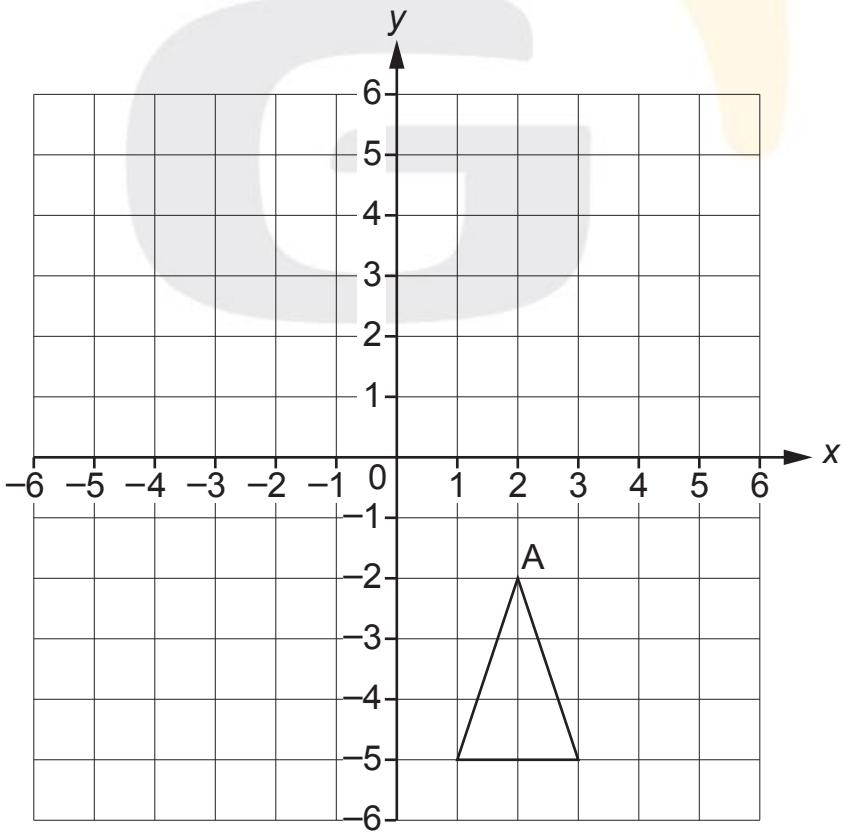
1 Draw lines to join **all** the pairs of numbers that total 1
The first one has been done for you.



[1]

2 A triangle is translated so that point A moves to the point (−3, 1).

Draw the triangle in its new position.



[1]

3 Draw a ring around the **largest** number in each pair.
The first one has been done for you.

For Teacher's Use

9810	9018
Half a million	84 291
Fifteen thousand and seven	15 060
25	−52
−271	−326

[2]

4 The value of the digit 5 in the number 659.13 is fifty.

Write down the value of the digit 3 in words.

..... [1]

5 Six children have $4.03 each.

How much do they have altogether?

$ ..... [1]

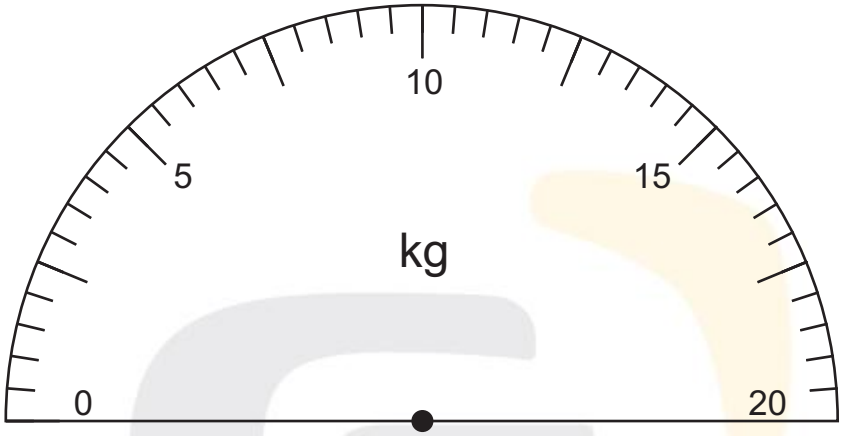
6 Jamila uses a tape measure to find the length of her desk.
It is 1 metre 8.5 centimetres.

Write this in metres.

..... m [1]

7 The mass of a child is 16 500 g.

Draw an arrow to show the same mass on the scales below.



[1]

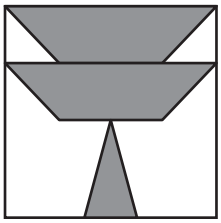
8 Five children run a 100-metre race.
The table shows their times in seconds.

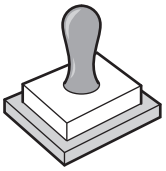
Runner	Time in seconds
Angelique	15.23
Gabriella	14.05
Aiko	15.3
Manjit	14.5
Blessy	14.65

Who came second?

..... [1]

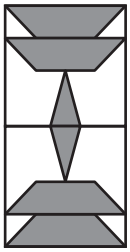
9 A square stamp creates the following pattern.

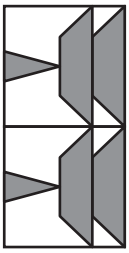


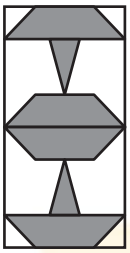


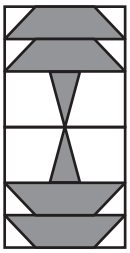
The stamp is used to make a rectangular pattern.

Tick (✓) all the patterns that can be made with the stamp.









[1]

10 Write the missing number in the box.

$100 \times 100 = \square \times 10$

[1]

11 The time in Rio de Janeiro is 5 hours behind the time in Athens.

(a) It is 1 pm in Athens.

What time is it in Rio de Janeiro?

..... [1]

(b) It is 10 am in Rio de Janeiro.

What time is it in Athens?

..... [1]

For Teacher's Use

12 Write in the missing numbers.

560 + ☐ = 830

☐ + 2.3 = 7.8

[1]

13 Here are five digit cards.

1	3	5	7	9

Choose the correct digit cards to complete the following mixed numbers and their equivalent improper fractions.
The first one has been done for you.

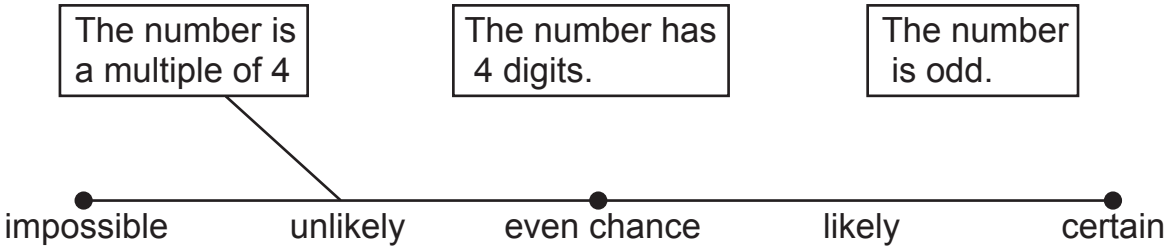
☐ $\frac{7}{10} = \frac{17}{10}$ $\qquad 2\frac{1}{4} = \frac{\square}{4}$

☐ $\frac{2}{5} = \frac{17}{5}$ $\qquad 3\frac{1}{2} = \frac{\square}{2}$

[2]

14 A computer chooses a whole number between 1 and 100 at random.

Draw a line to match the outcome to its likelihood.
The first one has been done for you.



[1]

15 Complete the calculations.

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30 × 50 = ☐

500 × 40 = ☐

[1]

16 Find 40% of $35

$..... [1]

17 Some boys belong to a sports club.

This table shows the sports they do over four days.

	Mon	Tues	Wed	Thurs
Running	Mike Carlos	Rajiv	Hassan	Youssef Mike
Tennis		Ahmed	Carlos Mike	Hassan
Swimming	Hassan	Youssef	Rajiv	Ahmed

Write the names of all the boys who do **both** running and swimming.

..... [2]

18 Mia goes to the cinema in the **morning**.
The clock shows the time the film begins.

(a) What time does the film begin?
Write your answer using the 24-hour clock.

[1]

(b) The film lasts for 2 hours 15 minutes.

What time does the film **end**?
Write your answer using the 24-hour clock.

[1]

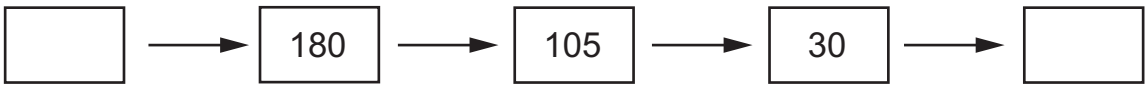
19 Find the missing numbers in this multiplication grid.

×	0.3	0.1	0.6	
7	2.1	0.7	4.2	
4		0.4		1.6

[2]

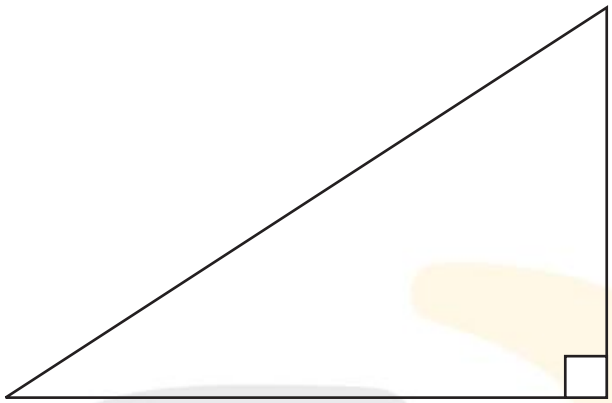
For Teacher's Use

20 Here is a sequence of numbers.
The rule is subtract 75



Write the missing number in each box. [2]

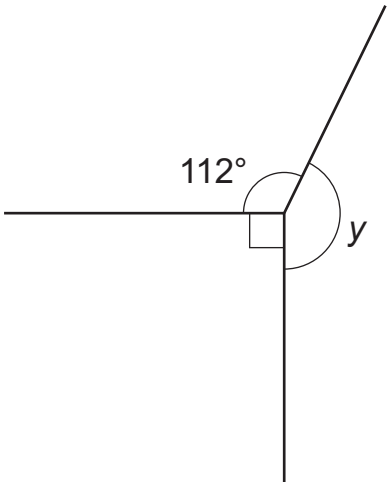
21 **(a)** Here is a right-angled triangle.



Measure the smallest angle.

..... ° [1]

(b) Calculate the size of angle *y*.



Not drawn to scale

..... ° [1]

22 Write in the missing numbers to make this calculation correct.

$$\begin{array}{rr} & 3 \bullet \square\ 8 \\ + & \square \bullet 0\ \square \\ \hline & 5 \bullet 6\ 3 \end{array}$$

[1]

23 Write the missing number in each box.

(a) 745.03 → × 10 → ☐ [1]

(b) ☐ → × 100 → 60 319 [1]

24 Lily has broken her calculator.
She knows that 26 × 15 = 390

Show how she can use this fact to work out 26 × 14

.....

..... [1]

25 Put these values in order starting with the smallest.

0.65 $\frac{2}{3}$ 0.57 $\frac{3}{5}$

....
smallest largest

[1]

26 Write three numbers with a mode of 6 and a mean of 7

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[2]

27 Yuri says that $\frac{6}{8}$ is larger than $\frac{3}{4}$

Is Yuri correct? Yes ☐ No ☐

Use a calculation to explain your answer.

.....

..... [1]

28 Pierre is counting in steps of 0.3

His first number is 1

What is his tenth number?

..... [1]

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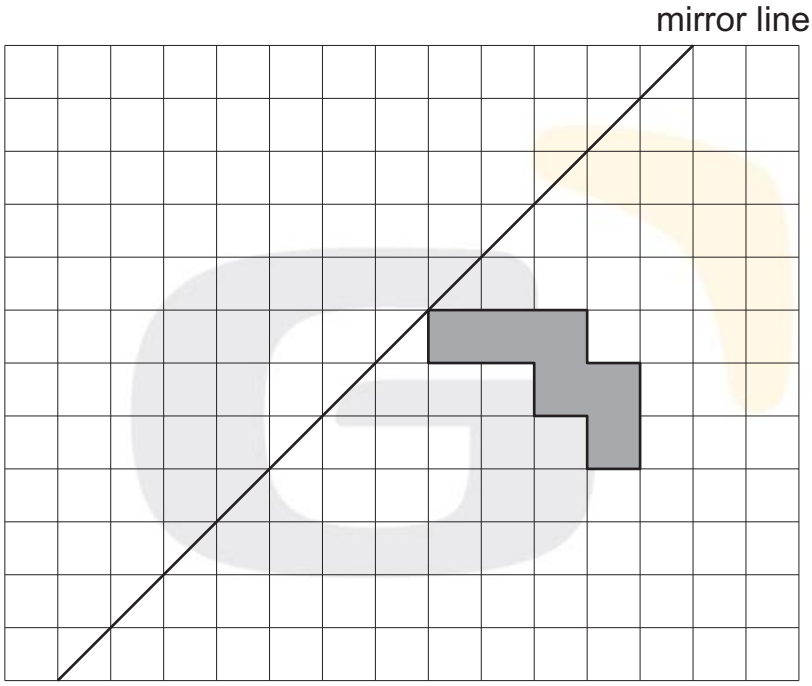
29 Five children share 8 pizzas equally.

How much will they each get?

..... pizza [1]

30 Draw the reflection of this shape in the mirror line.

Use a ruler.



[1]