Cambridge Assessment International Education

Cambridge Primary Progression Test

Mathematics paper 1

Stage 6

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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.

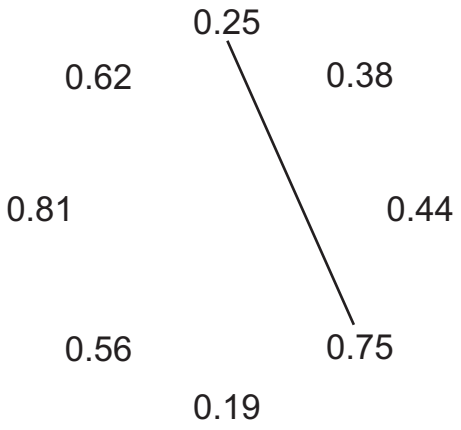
You should show all your working on the question paper.

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

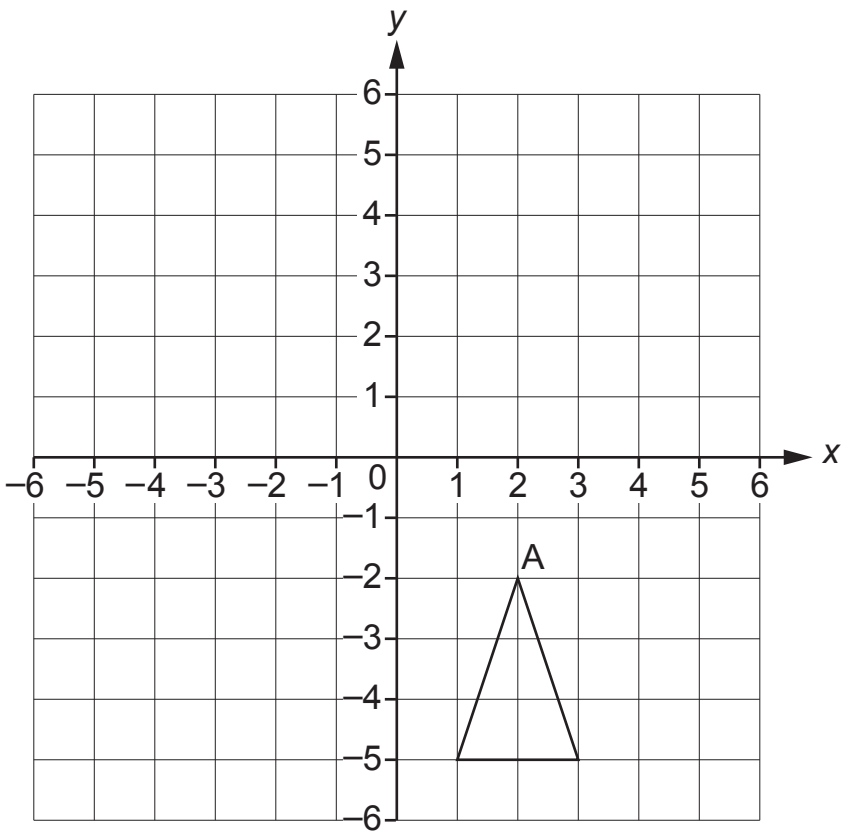
1 Draw lines to join **all** the pairs of numbers that total 1
The first one has been done for you.



[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.

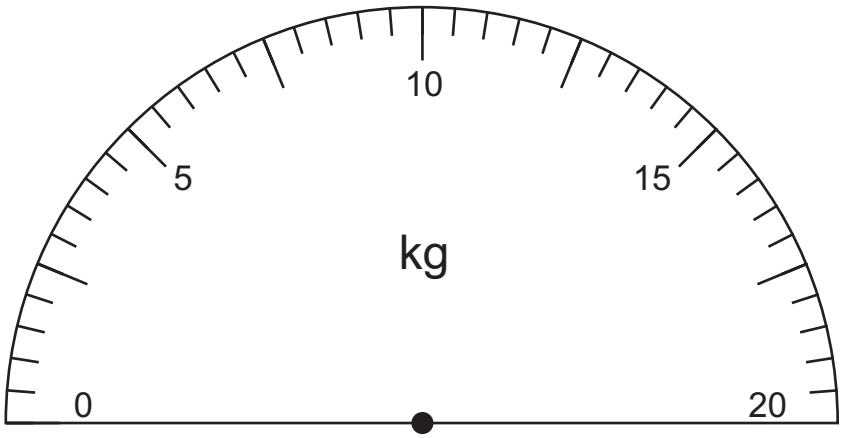
Write this in metres.

..... m [1]

[Turn over

7 The mass of a child is 16 500 g.

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



[1]

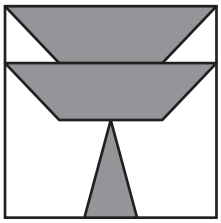
8 Five children run a 100-metre race.
The table shows their times in seconds.

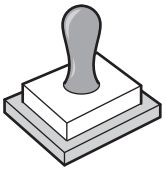
Runner	**Time in seconds**
Angelique	15.23
Gabriella	14.05
Aiko	15.3
Manjit	14.5
Blessy	14.65

Who came second?

..... [1]

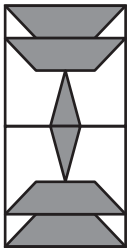
9 A square stamp creates the following pattern.

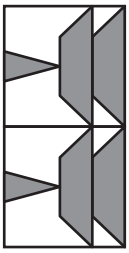


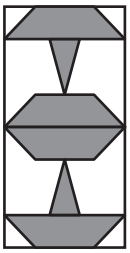


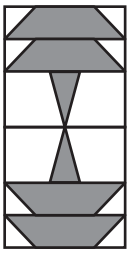
The stamp is used to make a rectangular pattern.

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.

☐ $\frac{7}{10} = \frac{17}{10}$

$2\frac{1}{4} = \frac{\square}{4}$

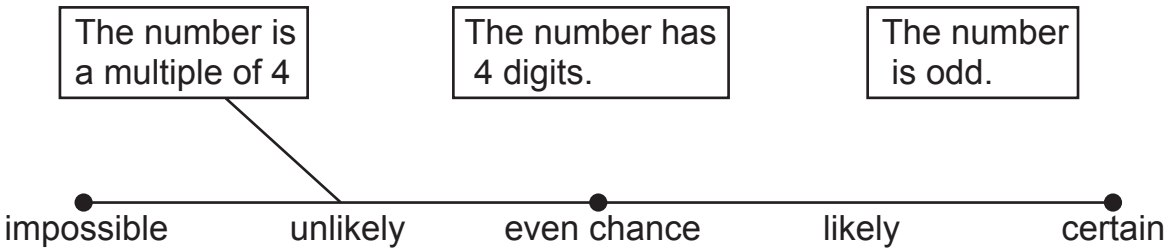
☐ $\frac{2}{5} = \frac{17}{5}$

$3\frac{1}{2} = \frac{\square}{2}$

[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.

For Teacher's Use

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]

[Turn over

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]

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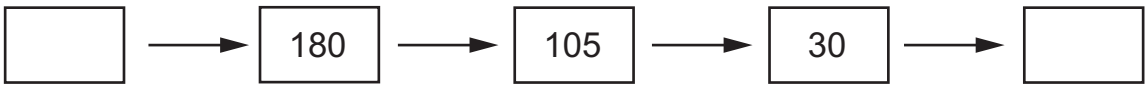
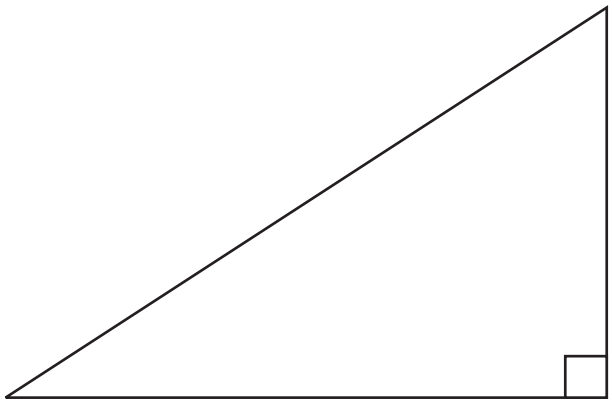
20 Here is a sequence of numbers.
The rule is subtract 75



Write the missing number in each box. [2]

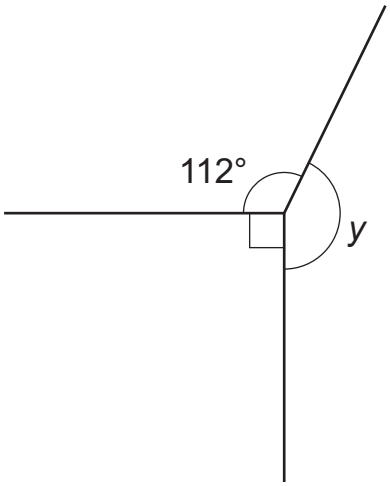
21 **(a)** Here is a right-angled triangle.



Measure the smallest angle.

..... ° [1]

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



Not drawn to scale

..... ° [1]

For Teacher's Use

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

For Teacher's Use

[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]

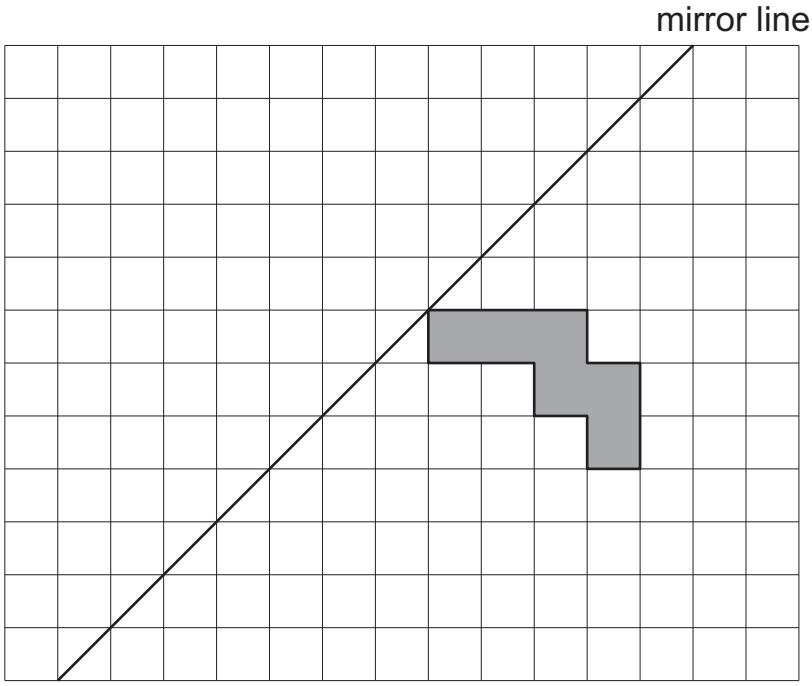
29 Five children share 8 pizzas equally.

How much will they each get?

..... pizza [1]

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

Use a ruler.



[1]