Cambridge Primary Progression Test
Question paper

Cambridge Primary

45 minutes

Mathematics Paper 2

Stage 5

5390470085

Name .....

Additional materials: Ruler
Tracing paper
Calculator

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	
Page	**Mark**
1	
2	
3	
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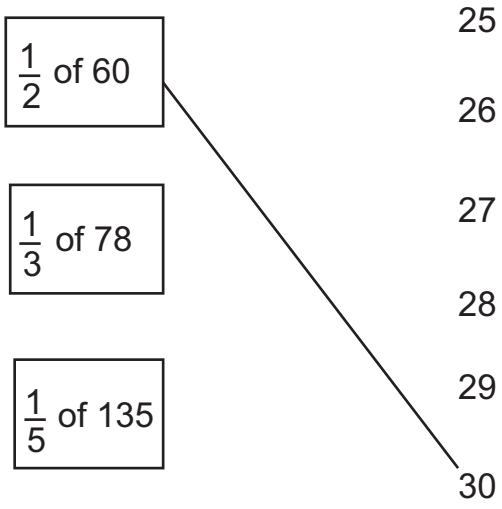
8	
9	
10	
11	
12	
13	
14	
Total	

DC (NH/JG) 93915/4RP

CAMBRIDGE International Examinations

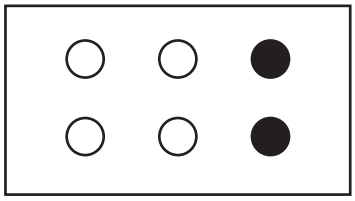
1 Match each calculation to its answer.

The first one has been done for you.



[1]

2 Look at the card with dots.



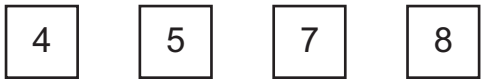
Use it to complete the equivalent fraction.

$$\frac{4}{\square} = \frac{\square}{3}$$

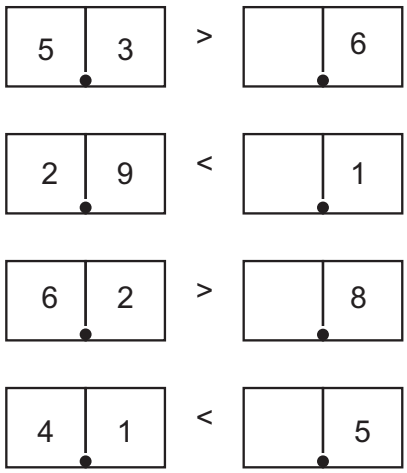
[1]

For Teacher's Use

3 Here are four digit cards.



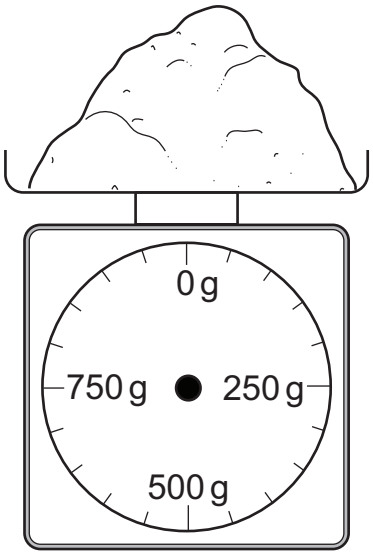
Use each card **once** to make these statements correct.



[2]

4 Paul is making a cake.

He weighs out 650 g of flour.



Draw an arrow on the scales to show 650 g. [1]

For Teacher's Use

5 Here is part of a calendar for August.

August						
S	**M**	**T**	**W**	**T**	**F**	**S**
		1	2	3	4	
6	7	8	9	10		
13	14	15	16			
20	21					
27						

(a) Hassan's birthday is on August 21st.

He has a party on the **Saturday after** his birthday.

What is the **date** of his party?

..... [1]

(b) Ryan's birthday is on September 10th.

On what **day of the week** is his birthday?

..... [1]

6 Here is a string of beads.

What fraction of the beads are white?

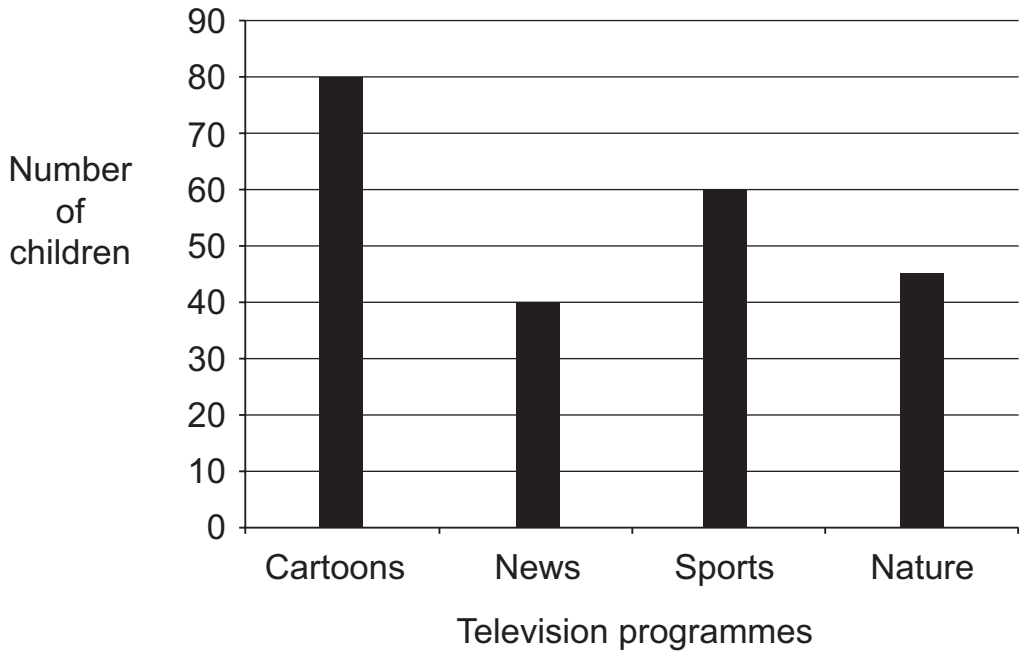
..... [1]

For Teacher's Use

7 Emily did a survey in school.

The children named their favourite television programmes.

Here are the results in a bar chart.



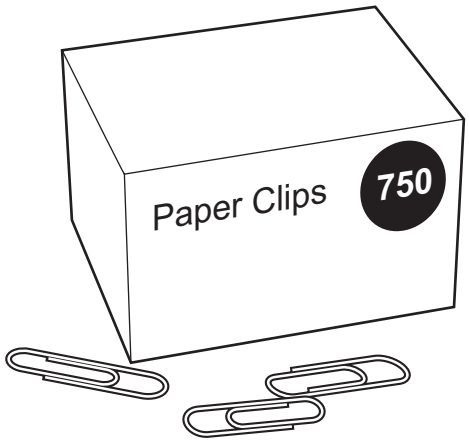
(a) How many children did she ask **altogether**?

.....children [1]

(b) How many **more** children liked cartoons than sports programmes?

..... [1]

8 Mr Singh has a box of 750 paper clips.



He needs 8 paper clips to make a model aeroplane out of paper.

How many **complete** model aeroplanes can he make?

..... model aeroplanes [1]

9 Mary says:

Is she correct?

Yes ☐ No ☐

Explain how you know.

.....

.....

..... [1]

For Teacher's Use

10 Complete the number sequences.

(a) 15 23 31 ☐ [1]

(b) ☐ 43 52 61 [1]

11 Here are some statements about odd and even numbers.
Tick (✓) the correct box next to each statement.
The first one is done for you.

	True	False
even + odd = even		✓
even + even + even = even		
odd – odd = odd		
odd × odd = odd		

[2]

12 Here is an incomplete calculation.

☐ × ☐ × ☐ = 100

Write three **different** numbers from 1 to 10 to make it correct. [1]

13 Here is part of a number line.

It is divided into equal sections.

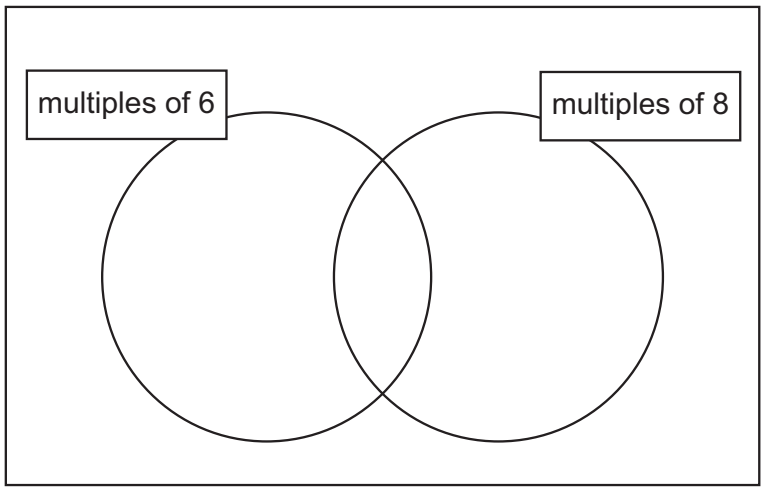
Write the missing numbers in the boxes.

[2]

14 Write these numbers in the correct place on the Venn diagram.

For Teacher's Use

18 26 36 48 56



[2]

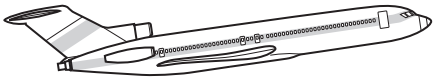
15 Here is a clock.

It shows the time in the **evening**.

Tick (✓) the digital clock that shows the same time.

[1]

16 An aeroplane departs at 4:45 pm.



It arrives 2 hours and 35 minutes later.

What time does the aeroplane arrive?

..... pm [1]

17 This chart shows the distances between cities in kilometres.

	London	Paris	Rome	Dubai	Bangkok	Sydney
London						
Paris	344					
Rome	1435	1106				
Dubai	5476	5250	4325			
Bangkok	9545	9457	8844	4891		
Sydney	16 983	16 950	16 340	12 063	7541	

What is the distance from Rome to Bangkok?

..... km [1]

18 Here are four measurements.

$\frac{1}{2}$ m	70 mm	0.3 m	40 cm

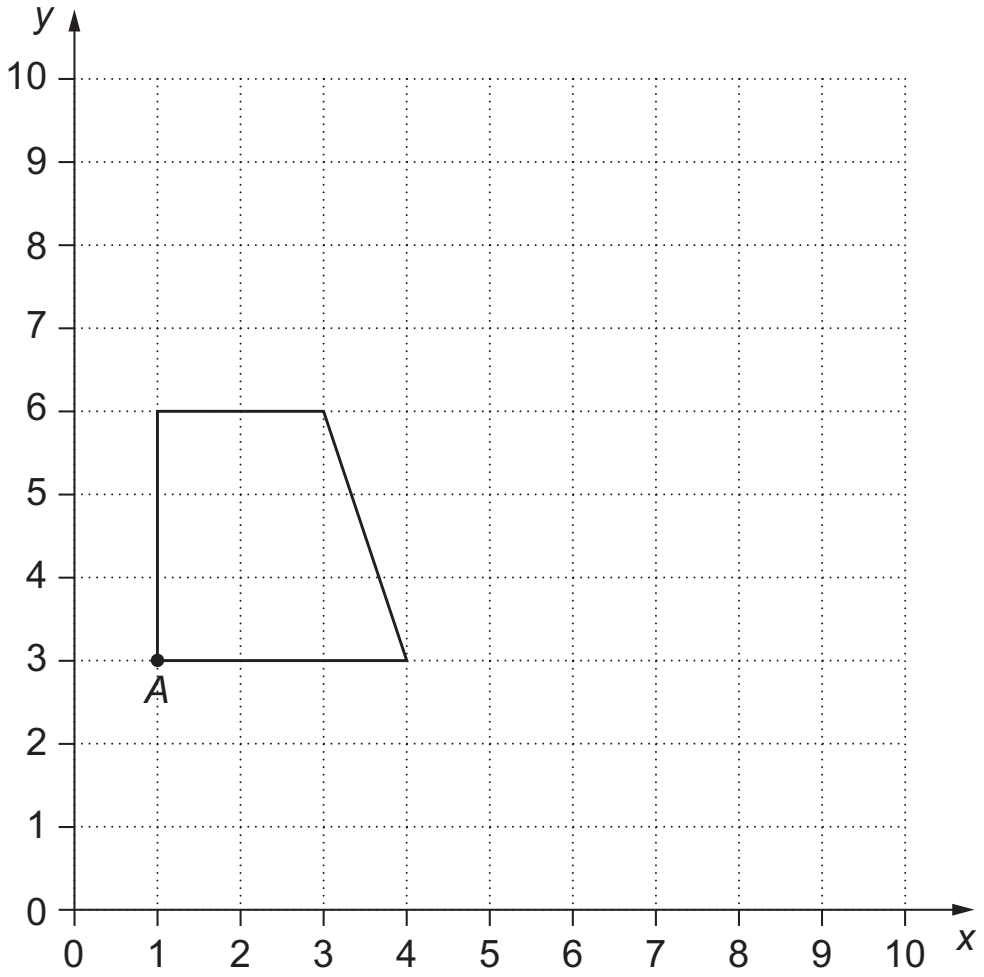
Write these measurements in order of size, starting with the shortest.

shortest			longest

[1]

19 Here is a trapezium on a grid.

For Teacher's Use



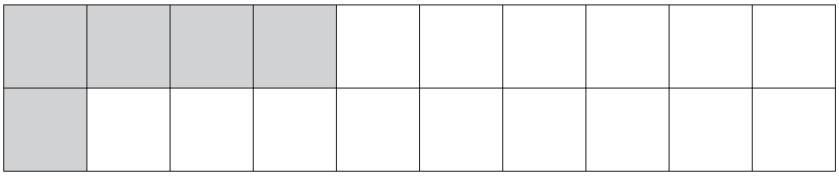
(a) What are the co-ordinates of the point *A*?

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

(b) The trapezium is translated four squares to the right and three squares up. Draw the trapezium in its new position. [1]

20 **(a)** Here is a grid of squares.

What percentage of this grid is grey?



..... % [1]

(b) How many **more** squares need to be shaded so 75% is grey?

..... [1]

21 Write these numbers in order of size, starting with the smallest.

$\frac{6}{10}$ 0.55 $\frac{1}{2}$ 0.7

....

smallest largest

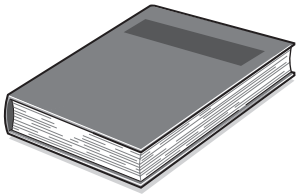
[1]

22 Emma buys two presents.

They cost $7.20

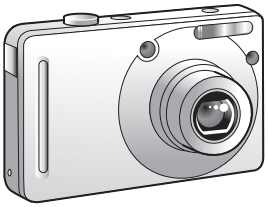
(a) Which two presents does Emma buy?

soft toy
$4.10

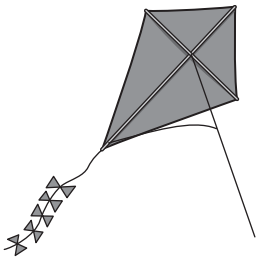


book
$1.79

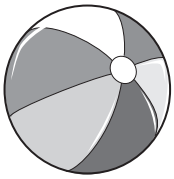
watch
$4.91



camera
$4.34



kite
$2.19



ball
$2.86

..... and .....[1]

(b) How much change does Emma get from $20?

$ ..... [1]

23 Here are four digit cards.

3	4	5	6

Use each card once to make the **largest** product.

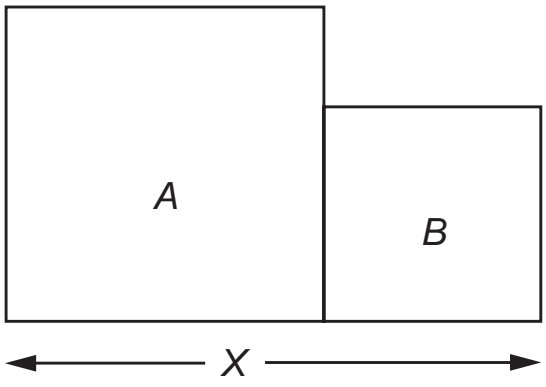
		×		

[2]

24 This shape was made using two **squares**.

The area of A is $100\,cm^2$.

The area of B is $36\,cm^2$.



Not drawn to scale

(a) Calculate the height of shape A.

..... cm [1]

(b) Calculate the length of the side marked X.

..... cm [1]

For Teacher's Use

25 Calculate

(a) 800 ÷ (40 × 2) = ☐ [1]

(b) (24.1 – 7.6) × (6.7 + 17.3) = ☐ [1]

26 Radhika has five digit cards.

Each card has the digit 1, 2, 3 or 4 on it.

The **mode** of the five cards is 3.

The **sum** of the cards is 14.

Write the missing digit on each card.

☐ ☐ ☐ ☐ ☐ [2]