Cambridge Primary Progression Test

Question paper

Cambridge Primary

45 minutes

Mathematics Paper 1

Stage 6

Name .....

Additional materials: Ruler

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	
Page	**Mark**
1	
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V1

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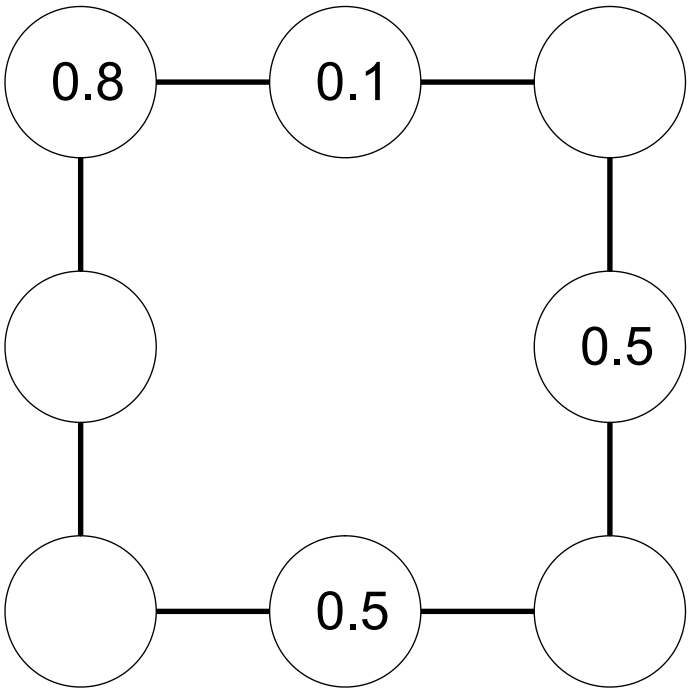
For Teacher's Use

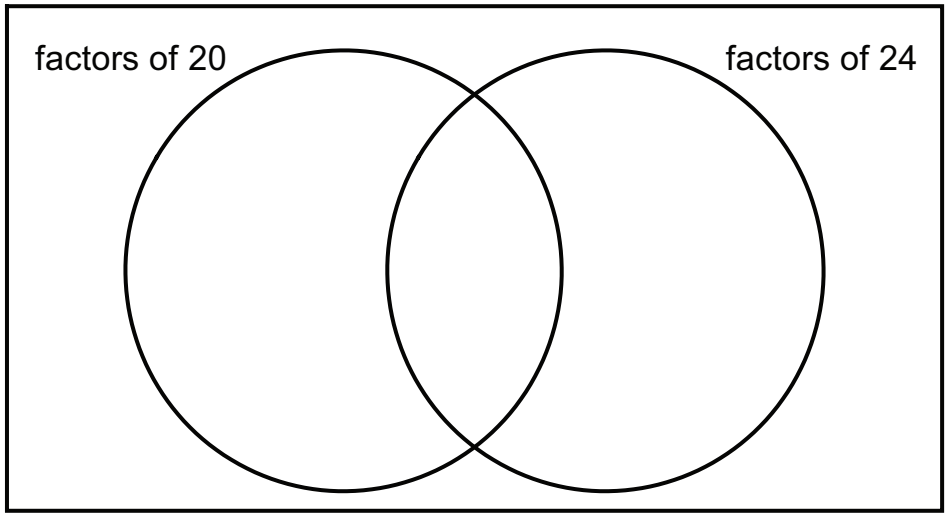
1 Complete the diagram so that each line totals 1



[2]

2 Write these numbers in the correct places on the Venn diagram.

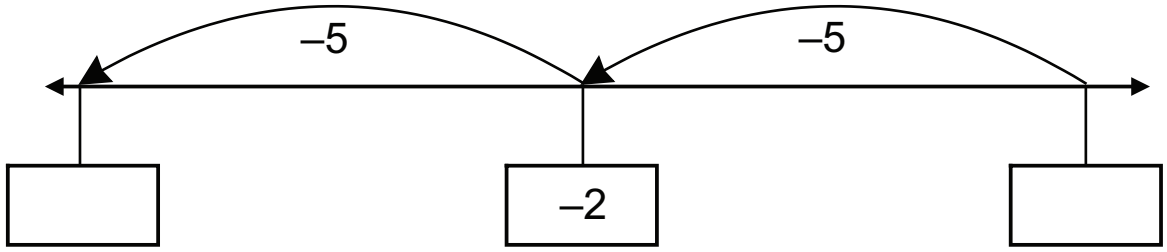
3 4 5 6



[2]

For Teacher's Use

3 Write the missing numbers on the number line.



[2]

4 Here is part of a number line.

(a) Draw an arrow (↑) on the number line to show the number that is 1.3 less than 6

[1]

(b) Calculate.

$5.7 - 0.8 =$ ☐

[1]

For Teacher's Use

5 A quadrilateral has 4 right angles.
The sides are **not** all equal in length.

Draw and name the quadrilateral.

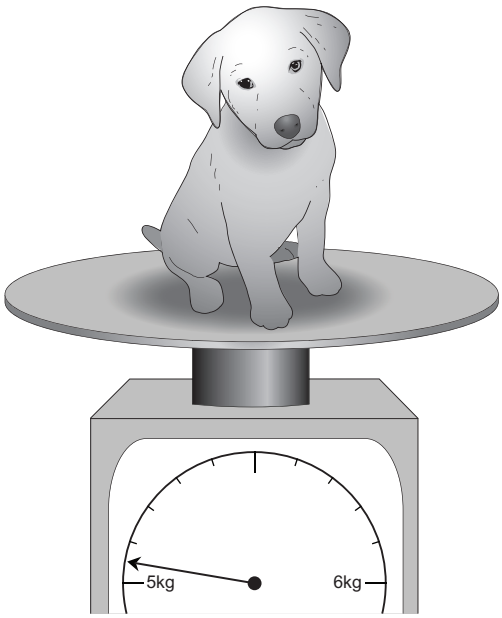
..... [1]

6 The rule for a sequence of numbers is double and add one.
Write the missing numbers.

☐ 9 19 39 ☐

[2]

7 The scale shows the mass of a dog.



What is the mass of the dog?

..... kg [1]

For Teacher's Use

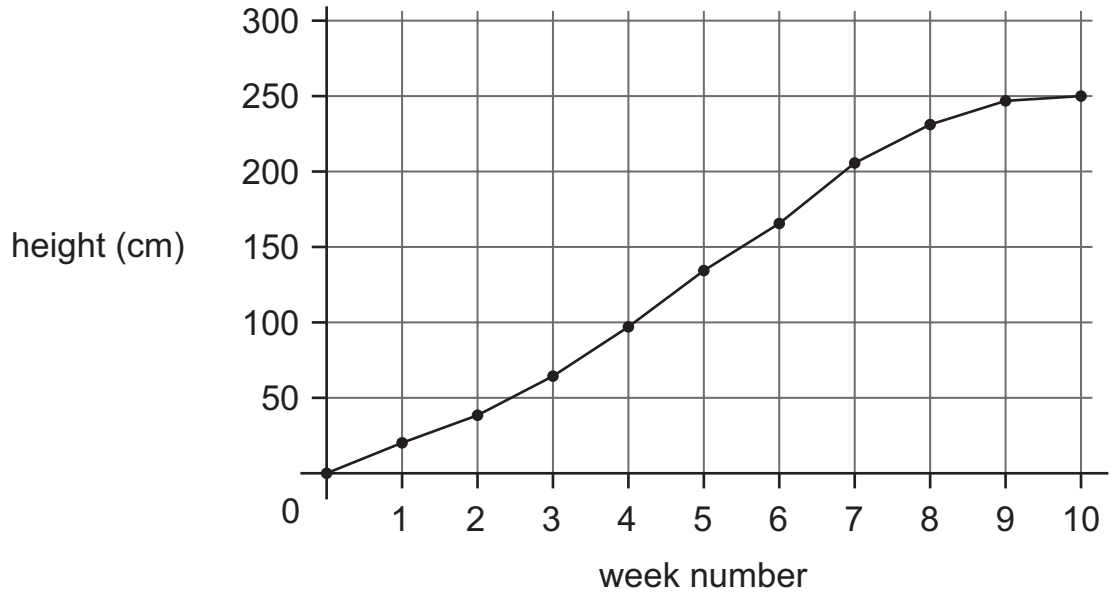
8 **(a)** Find the total of 7.42 and 3.98

..... [1]

(b) Find the difference between 7.42 and 3.98

..... [1]

9 Here is a graph showing the growth of a sunflower plant.



(a) How long did it take the sunflower plant to reach a height of 50 cm?

..... [1]

(b) Estimate the height of the sunflower plant after 5 weeks of growth?

..... cm [1]

For Teacher's Use

10 Here are two signs.

$<$ $>$

Write the correct sign in each box to make these statements true.

$-4 \square 2$

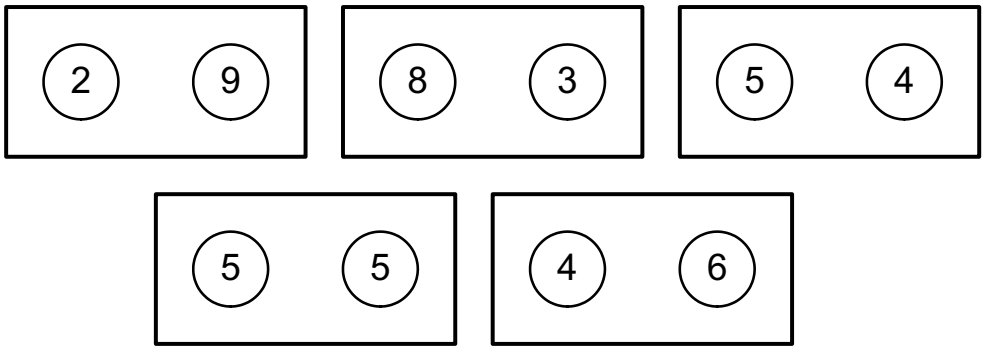
$4 \square -2$

$-4 \square -2$

$2 \square -4$

[2]

11 Here are five cards.



Jon chooses a card without looking.

He **multiplies** the two numbers on the card together.

What answer is Jon most likely to have?

..... [1]

For Teacher's Use

12 Here are eight numbers.

2 3 4 5 6 7 8 9

The number 6 has been placed in the correct cell on the diagram.

Write a number from the list in each of the empty cells.

	prime number	**not a prime number**
odd		
not odd		6

[2]

13 Put a ring round **one** number in **each** box to make this number sentence correct.

0.05 0.10 0.15 0.20	+	0.40	+	0.15 0.25 0.35 0.45	= 1

[1]

For Teacher's Use

14 Here is part of a number sequence.

The numbers increase by the same amount each time.

0 25 50 75 100 125 …….

The sequence continues in the same way.

Put a ring round **all** the numbers that would be in the sequence.

840 1000 875 550 365

[1]

15 Calculate.

(a) 14.6 × 8 =

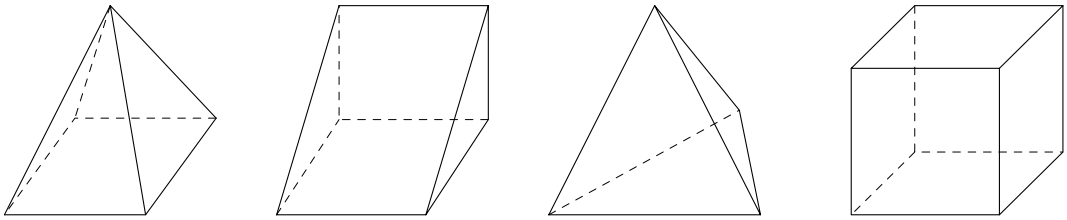
..... [1]

(b) 495 ÷ 11 =

..... [1]

For Teacher's Use

16 Here are drawings of four solids.



pyramid triangular prism tetrahedron cube

(a) Salma chooses a solid and says:
"It has 6 edges.
All the faces are the same shape and size."

Which solid does Salma choose?

..... [1]

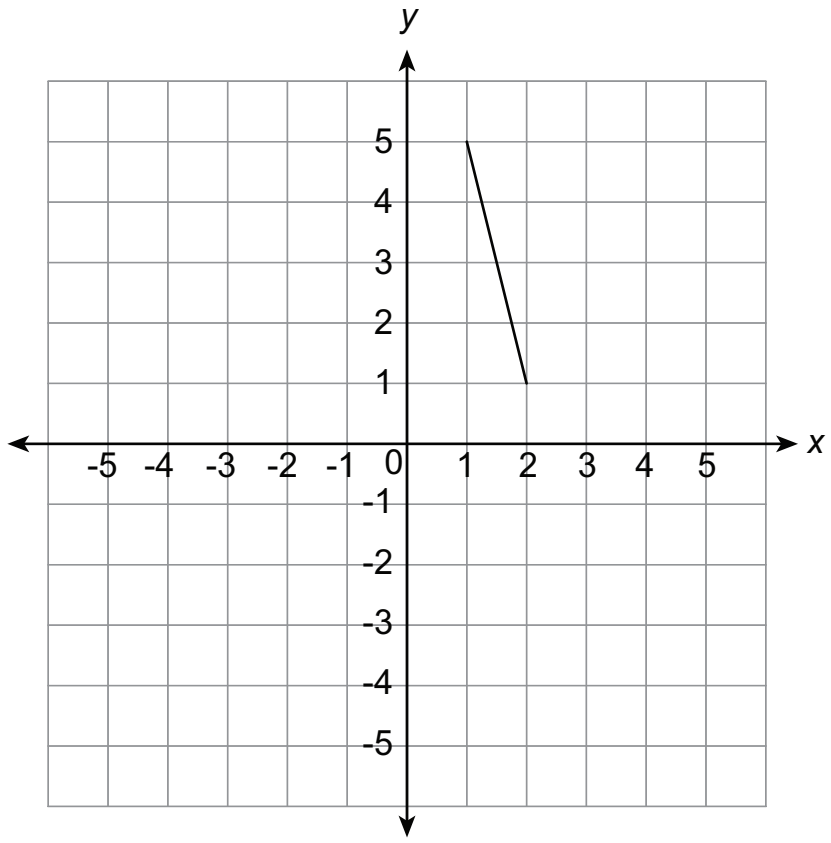
(b) Isabella chooses a solid and says:
"It has 6 vertices.
It has 9 edges."

Which solid does Isabella choose?

..... [1]

17 Here is one side of a square drawn on a coordinate grid.

For Teacher's Use



The third vertex of the square is at (−3, 4).

(a) Mark the point (−3, 4) on the grid.

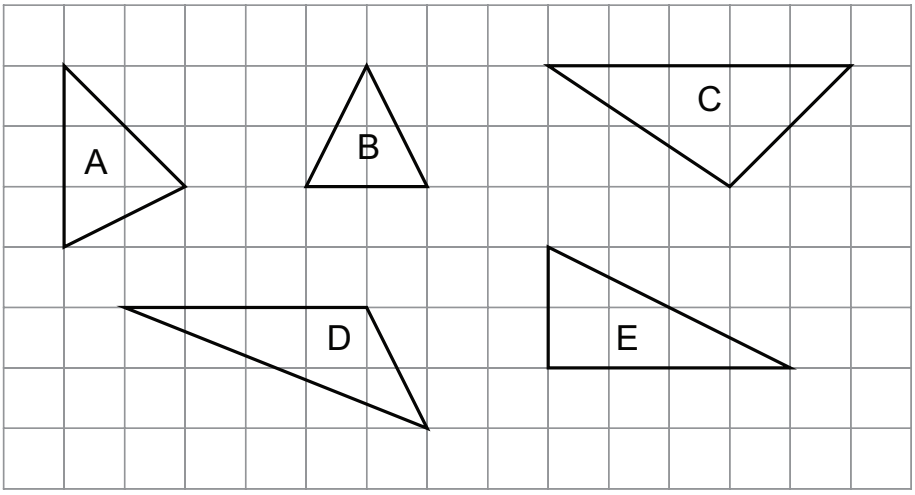
[1]

(b) What are the coordinates of the fourth vertex of the square?

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

For Teacher's Use

18 Here are five triangles on a grid.



(a) Write the letter of each triangle that has an obtuse angle.

..... [1]

(b) Cesar says, "I can draw a triangle with 2 obtuse angles".
Is he right? Yes / No

Explain how you know.

.....

..... [1]

19 Join each calculation to the correct answer.

For Teacher's Use

$0.7 \times 8 =$	0.054
	0.056
$0.7 \times 0.8 =$	0.54
	0.56
$0.8 \times 7 =$	5.4
	5.6
	54
	56

[2]

20 Here are four pairs of measurements.

Put a ring round the largest measurement in each pair.

6 inches	6 centimetres
5 pounds	5 grams
4 pints	4 litres
3 miles	3 kilometres

[2]

For Teacher's Use

21 Complete these fractions to make each one equivalent to 0.2

$$\frac{\square}{10} \qquad \frac{20}{\square}$$

[2]

22 Here is part of a timetable showing flights from London to Abu Dhabi.

London Heathrow	(GMT)	13:50	09:15
Abu Dhabi	(local time)	01:00	20:15
Abu Dhabi	(GMT)	21:00	16:15

How long does the 09:15 flight from London take to reach Abu Dhabi?

..... [2]

23 Isabella makes a fraction using two number cards.

The fraction is equivalent to 10%
One of the number cards is 10
What is the fraction?

$$\frac{\square}{\square}$$

[1]

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