

CANDIDATE  
NAME

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CENTRE  
NUMBER

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CANDIDATE  
NUMBER

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## Primary 6

09/08/24

### MATHEMATICS

August 2024

Paper 2

**45 minutes**

You must answer on the question paper.

You will need:   Pen      Pencil      Calculator

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### INSTRUCTIONS

- Answer **all** questions.
- Use the black or dark blue pen.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided
- Do **not** use an erasable pen or correction fluid.
- You should show all your working in the booklet.
- You are allowed to use a calculator.

### INFORMATION

- The total mark for this paper is 40.
- The number of marks for each question or part question is shown in brackets [ ].

For Teacher's Use	
Page No	Marks
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
Total	

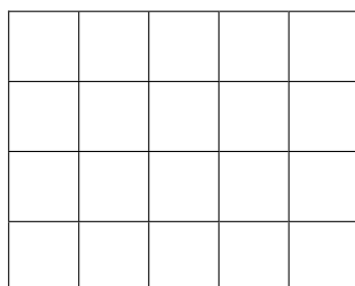


1. Complete the table. The first row has been done for you.

In words	In figures
Six hundred and two thousand, one hundred and thirty-two	602 132
	10 042
Seven hundred thousand, nine hundred and six	

2

2. Shade  $\frac{2}{5}$  of the shape.



1

3. Write **all** the factors of 77

1

4. Calculate.

$$\frac{1}{3} - \frac{1}{5}$$

..... 1

5. Here are some digit cards.

1

3

5

7

9

Use three of these digits to complete the calculation.

$$\begin{array}{|c|c|} \hline & 0 \\ \hline \end{array} \times \begin{array}{|c|} \hline \\ \hline \end{array} = \begin{array}{|c|c|c|} \hline 6 & & 0 \\ \hline \end{array}$$

1

6. Anastasia writes a sequence.  
The 1st term in Anastasia's sequence is 2  
The 2nd term is 4  
The 3rd term is 6

Write the 8th term in Anastasia's sequence.

..... 1

7. Draw a line to match each number to the correct statement.

71.153

The 3 represents 3 thousands

322.784

The 3 represents 3 thousandths

1352.4

The 3 represents 3 hundreds

41.031

The 3 represents 3 hundredths

2

8. The table shows information about the sequence of square numbers.

Term	Model	Expression	Calculation	Square number
1st	●	$1^2$	$1 \times 1$	1
2nd	● ● ● ●	$2^2$	$2 \times 2$	4
3rd	● ● ● ● ● ● ● ● ●	$3^2$	$3 \times 3$	9
4th				

(a) Complete the table for the 4th term.

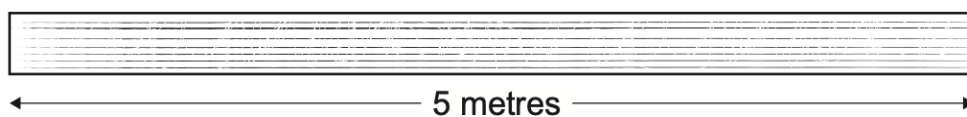
1

(b) Complete the sentence.

The model with exactly 81 dots will be the .....th term.

1

9. Jamila builds a fence using some pieces of wood.  
The length of each piece of wood is 5 metres.



Jamila uses  $1\frac{1}{4}$  pieces of wood to build her fence.

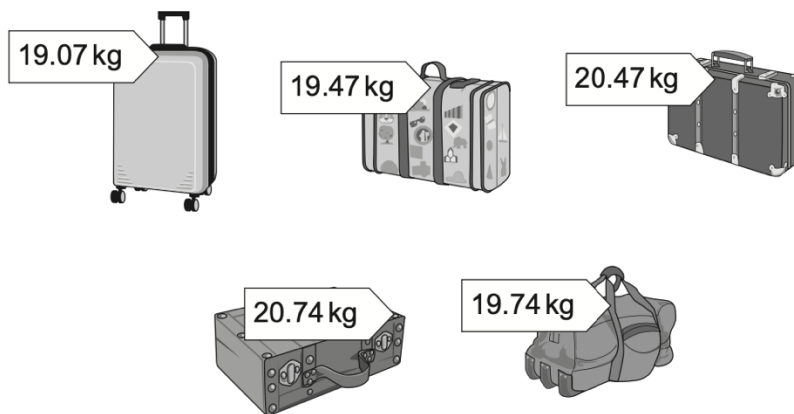
Calculate the total length of wood she uses to build her fence.

..... metres 1

10. **Two** horses need 36,000 kg of hay each year.  
Calculate the amount of hay that seven horses need each year.

..... kg 1

11. Here are some suitcases.



The mass of each suitcase is shown on the label.  
Oliver rounds each mass to the nearest kilogram.

Draw a ring around **each** suitcase with a mass that rounds to 20 kilograms.

1

12. A number line is marked in steps of constant size.

Write the correct number in each box.



1

13. (a) Write a **common multiple** of 12 and 18

..... 1

- (b) Write a **common factor** of 12 and 18

..... 1

14. Calculate.

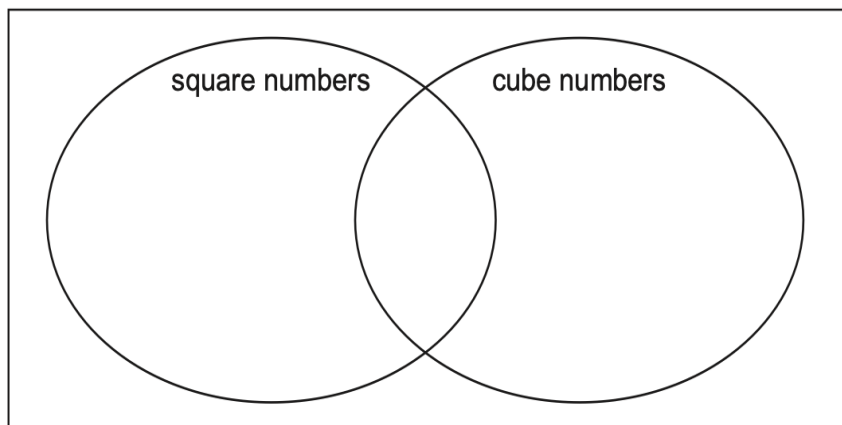
$$\frac{2}{3} + \frac{1}{4}$$

..... 1

15. Here are some numbers.

1            5            8            16            25            64

Write each of these numbers in the correct place on the Venn diagram.



2

16. Here are some numbers.

4.4

4.31

3.45

4.53

5.2

Rajiv arranges the numbers in order of size, starting with the smallest.

Write the 3rd number in his list.

..... 1

17. Write a number in the box to complete the statement.

$$\frac{3}{\boxed{\phantom{00}}} \div 2 = \frac{3}{2}$$

1

18. Here is a table showing the position and the terms of a sequence.

Complete the table.

Position	Term
1	7
2	14
3	21
10	.....
15	.....
.....	350

2



19. Add together the 3rd square number and the 5th square number.

..... 1

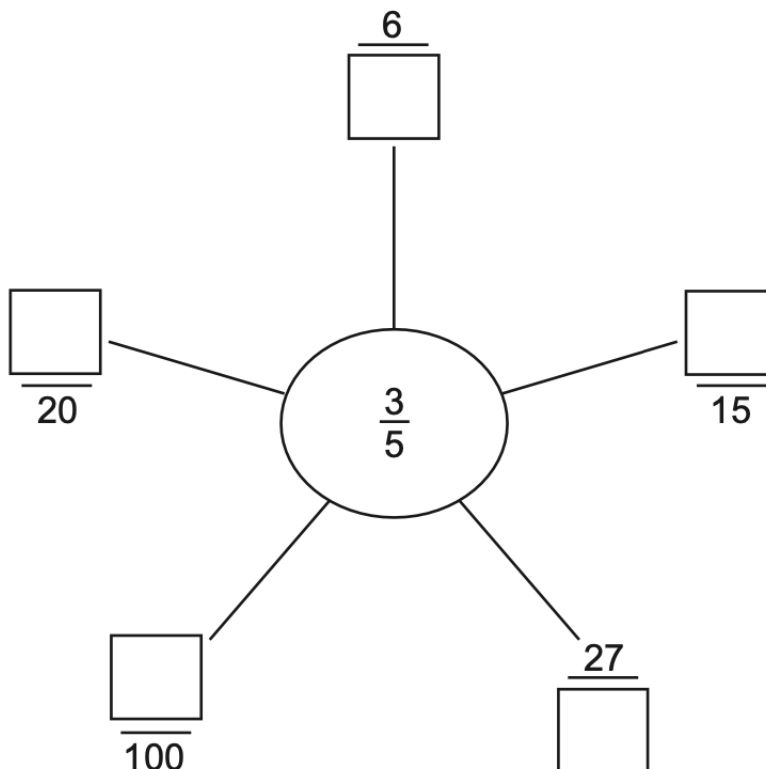
20. Write each fraction in its simplest form.

$$\frac{6}{30} = \text{.....}$$

$$4\frac{8}{20} = \text{.....}$$

2

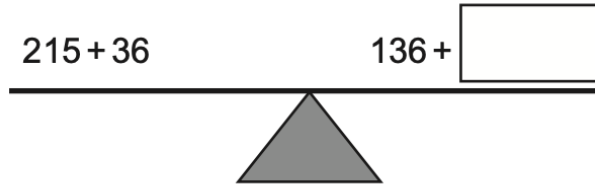
21. Complete the diagram to show fractions equivalent to  $\frac{3}{5}$

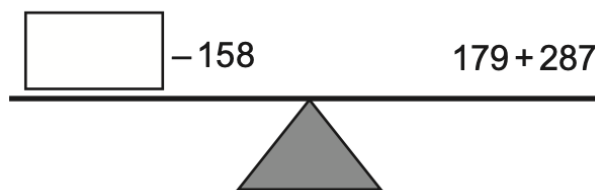


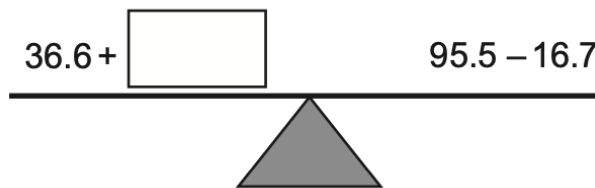
2

22. Here are three number balances.  
Each side of a number balance has the same answer.

Write the missing number in the box to complete each number balance.

$$215 + 36 \quad \quad \quad 136 + \boxed{\phantom{000}}$$


$$\boxed{\phantom{000}} - 158 \quad \quad \quad 179 + 287$$


$$36.6 + \boxed{\phantom{000}} \quad \quad \quad 95.5 - 16.7$$


2

23. Write the **same** digit in each box to make the calculation correct.

$$\begin{array}{|c|c|} \hline 2 & \phantom{0} \\ \hline \end{array} \times \begin{array}{|c|c|} \hline 1 & 6 \\ \hline \end{array} = \begin{array}{|c|c|c|} \hline 4 & 1 & \phantom{0} \\ \hline \end{array}$$

1

24. Here are three number cards.

10

100

1000

Use **two** of the cards to complete the number sentence.

$$6.043 \times \boxed{\phantom{000}} \div \boxed{\phantom{000}} = 604.3$$

1

1

25. Round these decimals to the nearest **tenth**.

4.09  $\longrightarrow$

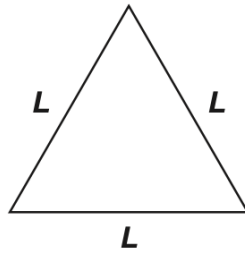
7.81  $\longrightarrow$

1

1

1

26. Here is a triangle with a side length of  $L$  cm.



The perimeter,  $P$  cm, can be written as  $P = L + L + L$

- (a) Calculate the value of  $P$  when  $L$  is 12 cm.

$P = \dots\dots\dots$  cm

- (b) Calculate the value of  $L$  when  $P$  is 21 cm.

$L = \dots\dots\dots$  cm

27. Mia is thinking of a number.

The number is a multiple of 25  
It is greater than 300 but less than 450  
It is even.  
It is not a multiple of 100



Write Mia's number.

$\dots\dots\dots$

Page Total

[Turn Over

28. Here is a Carroll diagram.

	Multiples of 4	Not multiples of 4
Multiples of 5		
Not multiples of 5	24	

Write these numbers in the correct box.

The first one has been done for you.

24

36

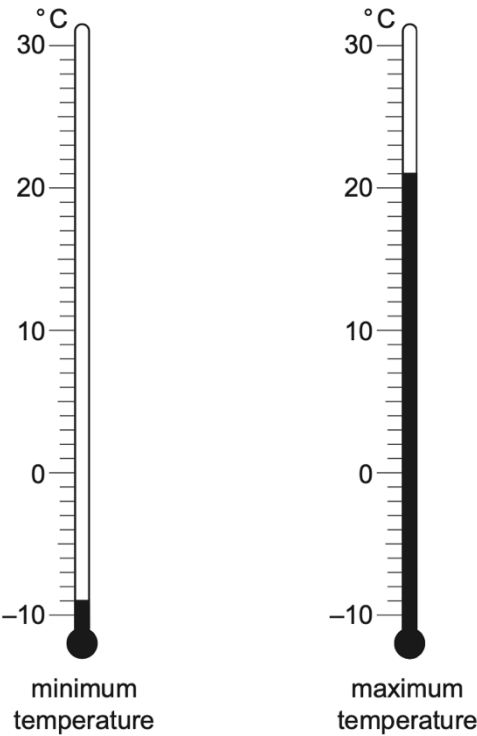
40

54

64

2

29. The thermometers show the minimum and maximum temperatures in Oslo in one year.



Find the difference in the temperatures.

..... °C 1