

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 1

45 minutes

You must answer on the question paper.

You will need: Pen
Pencil

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 **not** allowed to use a calculator.

INFORMATION

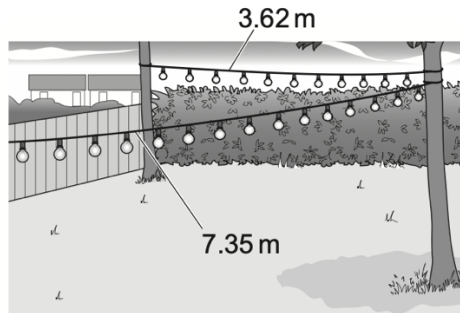
- The total mark for this paper is 40.
- The number of marks for each question or part question is shown in brackets [].

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

1. Angelique decorates her garden with two sets of lights.

One set of lights has a length of 7.35 metres.

The other set of lights has a length of 3.62 metres.



Calculate the **total** length of the two sets of lights.

..... metres 1

2. Complete the calculation.

$$\frac{1}{2} \div 3 = \boxed{}$$

1

3. Round 3.47 to the nearest whole number.

..... 1

4. Write the fraction $\frac{15}{25}$ in its simplest form.

..... 1

5. Complete these statements.

$$-16 - 5 = \boxed{}$$

$$-16 + 5 = \boxed{}$$

1

6. Calculate.

$$\frac{5}{2} \text{ of } 8$$

..... 1

7. (a) Here is a list of numbers.

1 3 7 11 13 17 21 23 27

Draw a ring around a **common multiple** of 3 and 7

1

- (b) Here is a list of numbers.

2 4 6 22 24 26 32 34 36

Draw a ring around a **common factor** of 4 and 6

1

8. Write down the number that is one thousand times bigger than 10.42

..... 1

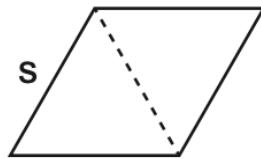
9. The perimeter, p , of an equilateral triangle with side length, s , is written as

$$p = s + s + s$$

- (a) Find the value of p if $s = 12$ cm.

..... cm 1

- (b) Two identical equilateral triangles are joined together to make a new shape.



Draw a ring around the correct expression for the perimeter, d , of the new shape.

$$d = s + s + s$$

$$d = s + s + s + s$$

$$d = s + s + s + s + s$$

$$d = s + s + s + s + s + s$$

1

10. Calculate.

$$345 \div 15$$

..... 1

11. An aeroplane carries 269 passengers each day.

Calculate the total number of passengers the aeroplane carries in 28 days.

..... passengers 1

Page Total

[Turn Over

12. Hassan has some bags of unit cubes.
The labels show the number of unit cubes in each bag.



Hassan chooses one bag.
He uses all the cubes in the bag to make a larger cube.

Tick (✓) the bag Hassan chooses.

1 ☐

13. Write a single digit in each box to complete the statement.

$$6 \text{ tens} + 308 \text{ hundredths} + 47 \text{ thousandths} = \square\square.\square\square\square$$

1 ☐

14. Carlos uses digit cards to make a four-digit number.

The number is divisible by 9. Write the missing digit in the box.

3	1	4	
---	---	---	--

1 ☐

☐

15. Complete.

$$17.512 - \boxed{} = 4.3$$

1

16. Calculate.

$$32.723 + \frac{60}{1000}$$

..... 1

17. Here are two mathematical symbols.

> <

Write the correct symbol in each box.

4.73	<input type="text"/>	4.65
3.21	<input type="text"/>	3.09
5.07	<input type="text"/>	5.1

1

18. Eva is thinking of an **even** number.

It is a multiple of 25

It is bigger than 100

It is less than 200

Write Eva's numbers.

..... 1

Page Total

[Turn Over

19. Put these calculations in order, starting with the smallest.

$$50 \times 70$$

$$30 \times 90$$

$$60 \times 60$$

$$40 \times 80$$

smallest

largest

1

20. Calculate.

$$1 - 0.17 =$$

1

21. James is thinking of a 4-digit whole number.

He rounds his number to the nearest thousand. His answer is 4000.

What is the **smallest** number James could be thinking of?

..... 1

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

1

Page Total
[Turn Over]

23. Anastasia makes a jug of mixed fruit drink.

$\frac{2}{5}$ of the drink is orange juice.

$\frac{3}{8}$ of the drink is apple juice.

The remaining part of the drink is lemon juice.

Work out the fraction of the drink that is lemon juice.

..... 2

24. Write the missing numbers in the sequence.

0.8 1.7
 2

25. Draw a ring around the numbers of **all** the multiples of 5

105 150 501 551 555

1

26. Draw a ring around **two** numbers that total 10

5.8 4.5 5.2 4.2 3.8

1

Page Total
 [Turn Over

27. Write these fractions in order starting with the largest.

$$\frac{3}{4} \quad \frac{3}{16} \quad \frac{3}{8} \quad \frac{3}{2}$$

.....
largest

.....

.....

.....
smallest

1

28. Complete the following.

a) $19 \div 3 = 6 \frac{\boxed{}}{3}$

1

b) $\boxed{} \div 4 = 3 \frac{3}{4}$

1

29. Calculate and write the answer in the simplest form.

$$\frac{1}{3} \times \frac{3}{4} = \boxed{}$$

1

30. Continue the number sentence below.

....., 100 170, 100 200, 100 230,

1

Page Total
[Turn Over

31. Draw a ring around the position-to-term rule that is true for all values in this table.

Position	Term
2	4
3	6
10	20

multiply by 4

add 2

multiply by 2

add 4

1 ☐

32. Find two square numbers that total 45.

..... and 1 ☐

33. Calculate.

(a) $\frac{1}{5} + \frac{3}{4} =$

..... 1 ☐

(b) $\frac{2}{3} - \frac{1}{6} =$

..... 1 ☐

☐

34. Mia has a bar of chocolate.

She eats $\frac{3}{4}$ of the bar of chocolate.

Mia says, 'I have $\frac{3}{4}$ of my bar of chocolate left for later.'

Mia is **not** correct.

Explain how you know.

.....

.....

.....

1 ☐

☐