සියලුම හිමිකම් ඇවිරිණි/முழுப் பதிப்புரிமையுடையது/All Rights Reserved

දකුණු පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව
தென் மாகாணக் கல்வித் திணைக்களம்
Department of Education, Southern Province

අවසාන වාර පරීක්ෂණය - 2025
இறுதி தவணைப் பரீட்சை - 2025 / Year End Term Test - 2025

ශ්‍රේණිය தரம் Grade	6	MATHEMATICS	කාලය நேரம் Time	2 hours

නම பெயர் Name ..... විභාග අංකය சுட்டிலக்கம் Index No. .....

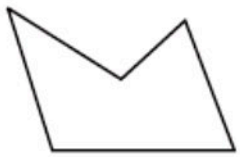
PART I

- ***Answer 1-20 questions on this paper itself.***
- ***2 marks for each correct answer.***

1. Write six million two hundred sixty seven thousand seven hundred thirty two in standard form.

2. Simplify. $2052 \div 19$

3. In the given figure, mark the obtuse angle as ***a*** and the reflex angle as **b**.



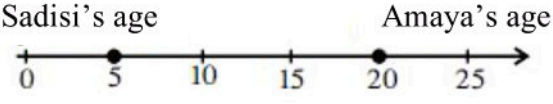
4. How many positive integers are there between -2 and 4?

5. Fill in the blanks.

$$\begin{array}{r} 1\ 5\ 7 \\ \times\quad 5\ \square \\ \hline 3\ 1\ 4 \\ 7\ \square\ 5\ 0 \\ \hline 8\ 1\ 6\ 4 \end{array}$$

6. The Udarata Menike train which leaves Colombo Fort at 10.25 a.m. arrived in Badulla at 6.12 p.m. What was the time taken for the journey?

7. The following number line shows the current ages of Sadisi and Amaya. Both celebrate their birthday on the same day. If Sadisi's birthday is 2019-03-03, when is Amay's birthday?



8. Simplify $\frac{5}{12} + \frac{1}{4}$ and write the answer in simplest form.

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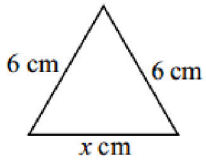
9. When the total number of eggs a vendor had was rounded off to the nearest multiple of ten, it was 80. Out of them two eggs were broken and they were removed. When the remaining number of eggs was rounded off to the nearest multiple of 10 it was 70. What are the possible values for the total number of eggs he originally had?

10. Simplify. $21.5 - 12.67$

11. Is 7 a factor of 23 or not? Explain with reasons.

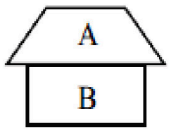
12. Write the suitable values for the cages. $40 = 5 \times \square = 5 \times \square^{3}$

13. In the triangle shown in the figure,
    i) write an algebraic expression for the perimeter.
    ii) when $x = 10$, find the perimeter.



14. A triangular number was represented by a triangular dot pattern, and the bottom row had 6 dots. Which triangular number is this? Draw it with a dot pattern.

15. Name the rectilinear plane figures indicated by A and B in the given figure.



16. Write down two equivalent ratios for 3 : 2.

17. Indicate whether the following statements are correct mark a (✓) and if it is incorrect, mark a (✗).

(i)	The number of edges and the number of faces of a regular tetrahedron are equal	
(ii)	A spirit level is used to determine whether the plane surface is horizontal	

18. What is the value represented by 3 in 67.53?

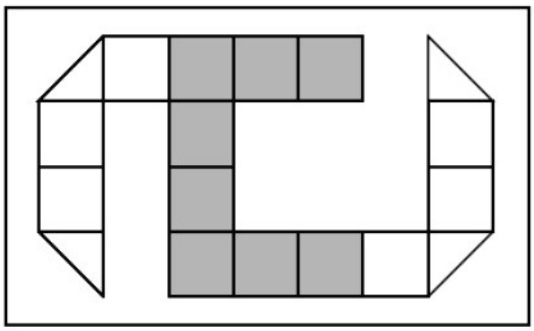
19. Complete the blanks using the inequality sign < or >
    i) $\frac{48}{100}$ ..... 0.2 ii) $\frac{3}{4}$ 1

20. Ganuli thought a number. That number is greater than 10 and less than 20. 3 is a factor of it. If the sum of the 2 digits of it is 9, find that number.

PART II

- **Answer first question and other 4 questions on this paper itself.**
- **First question carries 16 marks and other questions carry 11 marks each.**

01) The following figure shows a part of a wall hanging in the mathematics laboratory of a school. It was created by a student of that school using $1\ cm \times 1\ cm$ squares.



i) What is the perimeter of the small square used for the wall hanging? (02 marks)

ii) Find the perimeter of the shaded part. (02 marks)

iii) What is the area of the small square? (02 marks)

iv) What is the area of the shaded part? (02 marks)

v) Express the ratio between the area of the unshaded part and the area of the whole figure in simplest form. (02 marks)

vi) Express the area of the shaded part as a fraction of the area of the whole figure (02 marks)

vii) Express the answer obtained in part (vi) as a decimal number. (02 marks)

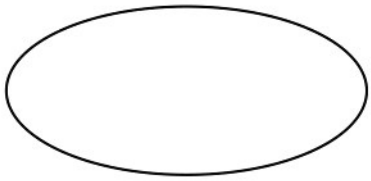
viii) Draw a plane figure with an area of 6 cm^2 using $1\ cm \times 1\ cm$ small squares, as shown in the above wall hanging. (02 marks)

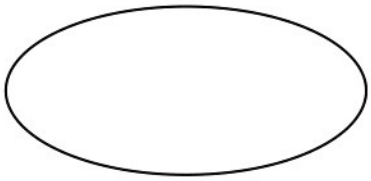
16 marks

02) Answer the following questions using the numbers shown in the rectangle.

0.5	$\frac{3}{4}$	$\frac{1}{2}$	0.05
$\frac{1}{8}$	5.21		0.3

i) Separate all the numbers into two groups and name them based on their common characteristic.





(02 marks)

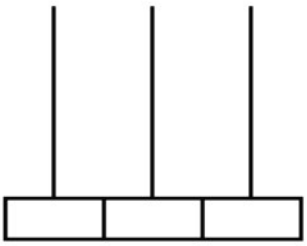
....

ii) Write the largest and the smallest fractions from the fractions and find the sum of those fractions. (03 marks)

iii) Find the value. $\frac{3}{4} - \frac{1}{2}$ (02 marks)

iv) Write the decimal numbers given here in ascending order. (02 marks)

v) Represent the above largest decimal number in the abacus. (02 marks)



11 marks

03) i) In a School Based Assessment the marks obtained by 38 students for Mathematics are given in the table below. Examine the table and fill in the blanks.

Marks	**The students who obtained the marks in the first column denoted by tally marks**	**Number of students**
8 , 9 , 10	𝍸 𝍸 //	
11 , 12 , 13	𝍸 /	
14 , 15 , 16		7
17 , 18 , 19		
20 , 21 , 22		

(04 marks)

ii) Represent above data in a picture graph.(4 students are represented by ○) (04 marks)

8, 9, 10	
11, 12, 13	
14, 15, 16	
17, 18, 19	

iii) Using the picture graph answer the following questions.

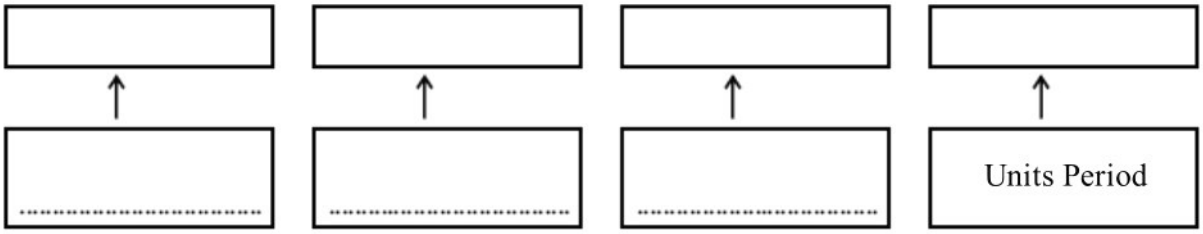
(a) How many students are there who have less than 14 marks? (02 marks)

(b) Which marks range has the highest number of students? (01 mark)

04) The number 3 7 9 2 0 0 4 1 0 8 ,

i) Write it in standard form. (01 mark)

ii) Appropriately write the number written above in standard form in the boxes below. (02 marks)



iii) Write the names of the periods relevant to the above boxes. (03 marks)

iv) Write the number given in (i) in word form. (02 marks)

v) In the above number, how many times the value represented by 4 is the value represented by 8? (03 marks)

11 marks

05) i) Fill in the blanks according to the following simplifications. (05 marks)

4 × 9 = ...

3 × 5 = ...

8 × 8 = ...

..... × ..... = 29

..... × ..... = 81

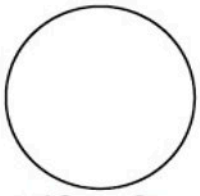
Answer the following questions based on the numbers given in the above boxes.

ii) Write separately all the identifiable square numbers and triangular numbers separately.

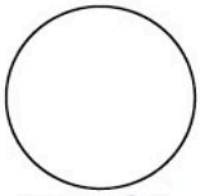
(02 marks)

iii) Select all the numbers given in the above boxes appropriately and write them in the circles below.

(02 marks)



Prime Numbers



Composite Numbers

iv) State whether the answer of each of following expressions is even or odd without solving.

(a) $4548 - 1542$ = ...

(b) 7541×9635 = ...

(02 marks)

11 marks

06) (a) Fruit drink is to be made to serve guests attending the school's inter-house sports meet. The necessary ingredients are supplied as follows:

- 2 bottles of fruit juice containing 2 litre each
- 10 litre of water
- 3 bottles of lemon juice containing 100 ml each

i) Indicate the total amount of fruit drink made using all the above quantities in liters and milliliters

(03 marks)

ii) Express the total amount of fruit drink in (i) in milliliters. (01 mark)

iii) If each person is to be served 190 ml, how much fruit drink is required to serve 75 persons?

(02 marks)

iv) Find the amount of fruit drinks remaining after the servings. (02 marks)

(b) Fill in the blanks.

i) 1 kg = 150 g + 250 g + 100 g + ... g

ii) 1 kg = 8 × ..... g

iii) 2 kg = 250 g × .....

(03 marks)

11 marks

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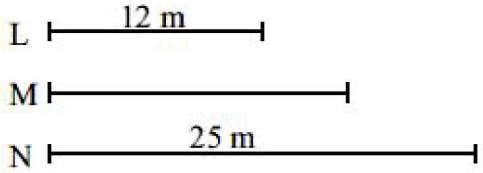
07) (a) The figure shows the 3 canes brought for the school's Vesak decorations.



i) Since the length of cane M is unknown, represent its length using an algebraic symbol. (1 mark)

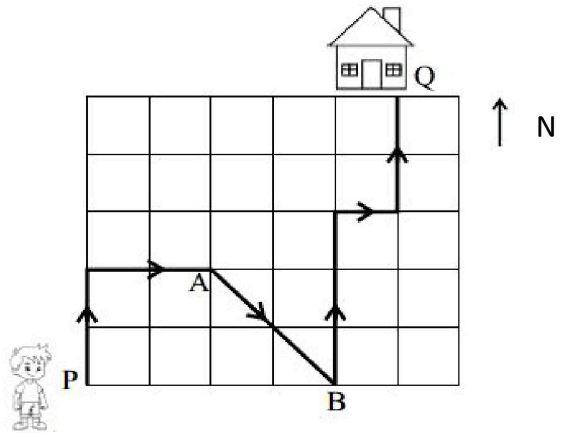
ii) By observing the given figure write the length of canes in ascending order. (1 mark)

iii) How much longer is cane M than L? (2 marks)

iv) What is the sum of the lengths of M and N? (2 marks)

v) If the length of cane M is 20 m, find the value of the algebraic expressions obtained for (iii) and (iv) (2 marks)

(b)



Supun

Supun starts his journey from the point P and reaches his home at point Q.

i) How many times did he travel towards the North on his way reached his home? (2 marks)

ii) When he is at point A, in which direction can he see the point B? (1 mark)

11 marks

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