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தென் மாகாணக் கல்வித் திணைக்களம்
Department of Education, Southern Province

අවසාන වාර පරීක්ෂණය - 2024 (2025)
இறுதி தவணைப் பரீட்சை - 2024 (2025) / Year End Term Test - 2024 (2025)

ශ්‍රේණිය / தரம் / Grade } **Grade 6**

Mathematics - I, II

කාලය / நேரம் / Time } **2 Hours**

නම / பெயர் / Name } .....

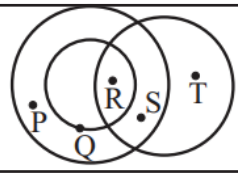
විභාග අංකය / சுட்டிலக்கம் / Index No. } .....

PART I

- **Answer all the questions on the paper itself.**
- **2 marks for each correct answer.**

1. Write the number 43521634 in standard form and write it in words.

2. Name a point that lies in all three circles in the given figure.



3. Write the number of edges and vertices of the solid shown in the figure.

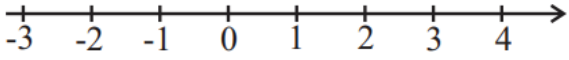
Number of edges = …….

Number of vertices =……..

4. Fill in the blanks.

$$\begin{array}{r} 2\ 7\ 3 \\ +\ 5\ \square\ 9 \\ \hline 8\ 6\ \square \end{array}$$

5. Mark the integers between -2 and 3 on the given number line below.



6. Write the suitable symbols from the <, >, = signs in the blanks.

i) $\frac{1}{8}$ … … … … $\frac{1}{3}$

ii) $\frac{3}{4}$ … … … … … … $\frac{6}{8}$

7. 

(i) Draw the next pattern.

(ii) Which type of numbers are represented by dots?

.....

8. Fill in the blanks.

The angles formed between the hour hand and the minute hand of a clock at 9.30 am

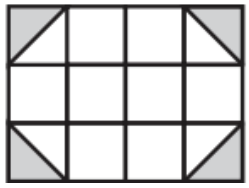
(1)…… (2)…….

9. How many times the value represented in the hundreds place is the value represented in the unit place in the number 3575?

10. Choose the numbers 2, 4, 5, 6, 8, 9 appropriately and write them in the circles below.

Prime numbers Composite numbers

11. If the length of a side of a small square in the given lamina is 1cm and the shaded parts are removed. What is the area of the remaining part in square centimetres?

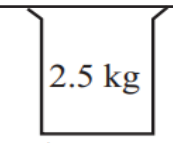


12. Fill in the blanks.

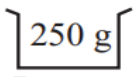
i) An example for a vertical plane is …….

ii) An instrument used to identify vertical position ……...

13. How many times the amount of rice in the container A is the amount of rice in the container B?



Container A



Container B

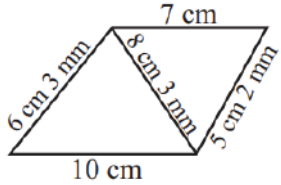
14. Write the greatest multiple of 9 less than 200.

15. Write the decimal numbers 2.5, 2.05, 2.51 in descending order.

16. Write all the ways in which the number 36 can be written as a product of two square numbers.

17. Write 7025 *ml* in litres and millilitres.

18. Find the perimeter of the figure.



19. There are 18 ripe mangoes and 24 raw mangoes in a basket. Write the ratio between ripe and unripe mangoes and express it in simplest form.

20. There are 15 birds on a tree. When *m* number of birds flew away.

i) Write the remaining number of birds using algebraic expression.

ii) If $m=9$, find the remaining number of birds.

PART II

- **Answer the first question and other four questions**

1. (a)The quantity of ready-made clothes produced in a garment factory within a day is given below.

Type of the readymade clothes	Tally marks	Number of readymade clothes
Frocks	𝍸 𝍸 𝍸 𝍸	20
Shirts	……	18
Trousers	𝍸 𝍸 ///	……
T-shirts	……	20
Skirts	……	27

i. Complete the above table. (4 marks)

ii. If 4 clothes are represented by ○, draw a picture graph to represent the above information. (5 marks)

Frocks	
Shirts	
Trousers	
T-shirts	
Skirts	

iii. Answer the following questions using the above picture graph.

a) Which type of readymade cloth was produced most on that day? (1 mark)

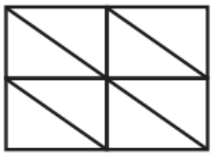
b) How many more skirts were produced than the shirts on that day ? (1 mark)

c) Which type of readymade clothes are produced in same quantity? (1 mark)

d) Find the total number of readymade clothes produced. (2 marks)

e) Express the fraction by taking the number of trousers produced as the numerator and the total number of readymade clothes as the denominator. (2 marks)

16 marks

2. (a) i)  Shade $\frac{5}{8}$ of this figure.

(1 mark)

ii) Fill in the blanks to get equivalent fractions. (2 marks)

1) $\frac{3}{7} = \frac{15}{\square}$ 2) $\frac{9}{12} = \frac{\square}{4}$

iii) Write in ascending order (3 marks)

$\frac{5}{8}, \frac{3}{4}, \frac{1}{2}$

(b) The space of a floor of a school building is allocated as follows.

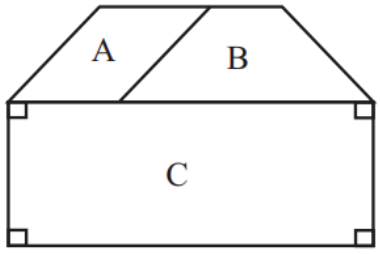
For classrooms	For Maths room	For library	For office
$\frac{2}{5}$	$\frac{1}{10}$	$\frac{1}{5}$	$\frac{6}{20}$

i) What is the total space allocated for the classrooms and the library? (1 mark)

ii) What is the total space allocated for the library and the Maths room? (2 marks)

iii) How much more space of the floor is allocated for class rooms than the office? (2 marks)

11 marks

3. (a) 

(i) Name the shapes given in the figure. (3 marks)

A = ……..

B =……...

C =……...

(ii) Write 2 special properties of the shape C (2 marks)

(b) (i)Draw a net that can be used to construct a cube. (2 marks)

(ii) A solid has been made by placing two identical cubes together. Name the solid and write the number of faces, vertices and edges in that solid. (4 marks)

11 marks

4. (a) There are 198 girls and 150 boys in grade 6 of Parakum college participated for a trip.

i. Find the total number of grade 6 students who participated for the trip. (2 marks)

ii. If 60 students travelled in a bus, what is the minimum number of buses required?

(3 marks)

iii. If Rs. 1000 is charged from each student for the trip, what is the total amount of money collected for the trip? (2 marks)

(b) They left from the school at 5.00 a.m. to go on the trip and returned at 10.15 p.m.

i. Write the time of return in standard form. (2 marks)

ii. Find the total time taken for the trip. (2 marks)

11 marks

5. (a) The following table shows the items and its masses that the Saman's mother bought from the market.

Item	Mass
Potato	2 kg
Onion	1500g
Green grams	500g
Carrot	1kg
Leeks	250g
Green chilli	100g
Banana	1 kg 300g

i. Write the mass of bananas in grammes . (1 mark)

ii. Write the mass of onions in kilogramme and gramme. (1 mark)

iii. How much greater is the mass of potatoes than the mass of the bananas? (2 marks)

iv. "Saman says that the total mass of the items bought by his mother does not exceedd 8 kg". Is that statement true ? or false? Write the reasons. (3 marks)

v. If the price of 1kg of green chillies is Rs.440, find the amount of money spent for the green chillies. (1 mark)

(b) | 2 | | 7 | | 5 | Using these 3 cards,

i. Write the largest number that can be formed. ……..

ii. What is the place value of 5 in that number? …….

iii. What is the value represented by 5? ……. (3 marks)

11 marks

6. i. What is the twice of 3? (1 mark)

ii. What is the square of 4? (1 mark)

iii. Write 125 as a power of 5. (2 marks)

iv. Write whether the following statements are true or false.

(a) $4^2 = 2^4$ ……..

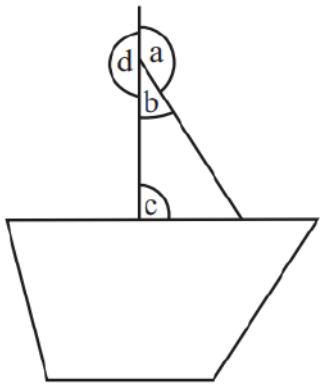
(b) $3^2 = 2^3$ …….. (2 marks)

v. 2^5+ ……. = 41 write the suitable value for the blank in index form. (2 marks)

vi. Find the value of $2^2 \times 3^2 \times 5^2$ (3 marks)

11 marks

7. (a)



i. Write the types of angles indicated by the letters shown in this figure according to its size. (4 marks)

a - .....

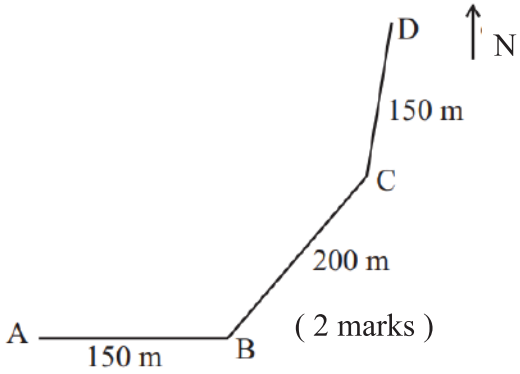
b - .....

c - .....

d - .....

ii. Mark a reflex angle in the figure and name it as 'e'. (2 marks)

(b) i. The figure shows the path travelled by a man from A to D. Fill in the blanks in the table.



(2 marks)

Route	Direction
From A to B	
From B to C	

ii. Find the total distance he travelled. (1 mark)

iii. What is the direction of A as seen from D? (2 marks)

11 marks