

බස්නාහිර පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව
 இலங்கைப் பல்கலைக் கல்வித் திணைக்களம்
 Department of Education - Western Province
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වර්ෂ අවසාන ඇගයීම - 2024 (2025)
 ஆண்டிறுதி மதிப்பீடு - 2024 (2025)
 Year End Evaluation - 2024 (2025)

No. 009159

202501

ශ්‍රේණිය
 தரம்
 Grade 06

විෂය
 பாடம்
 Subject

Mathematics

පත්‍ර
 வினாத்தாள்
 Paper

I, II

කාලය
 காலம்
 Time

02 hours

නම
 பெயர்
 Name

විභාග අංකය
 சுட்டிலக்கம்
 Index No.

Part I

- Answer all questions from 01 to 20 on this paper itself.
- Each question carries two marks

01. Write the number "two hundred billion four hundred sixty thousand two hundred five" using digits and separating into zones.

02. The smallest composite numbe is also a square number. What is it?

03. Express $\frac{9}{100}$ as a decimal number.

04. Write down the fractions $\frac{3}{8}$, $\frac{3}{5}$, $\frac{3}{7}$, $\frac{3}{4}$ in ascending order.

05. Find and match each of the following measurements with the suitable unit.

- a) The width of a book
- b) The distance between two cities
- c) The thickness of a pill
- d) The length of a classroom

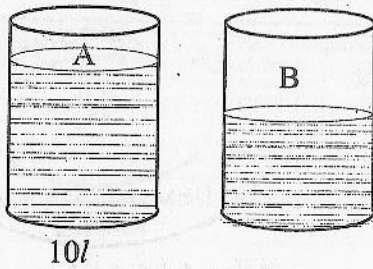
km

mm

m

cm

06.



Find the remaining volume when $8\frac{1}{4}$ ml of water is poured into the vessel 'B' from the vessel 'A' which contains 10l of water

07. Write down two equivalent ratios for 9 : 15.

08. Write down two instances where estimation is used in day today life.

09. How many times is the value represented by 7 as the value represented by 5 in the number 27150?

10.

The figure shows how the samon tins are arranged in a grocery.

Fill in the blanks and write down that triangular number.

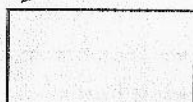


11. Write down an algebraic expression for the remaining money when buying 3 pens at Rs. 'P' each and giving Rs. 100 to the seller.

12.

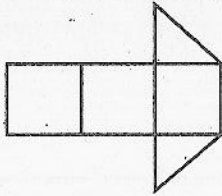
18	50	36
95	40	
35	12	100
	63	

Separate the numbers in the box into two groups based on common characteristic and name them accordingly.



13. On a number line from 0 to 10 mark the multiples of 3 less than 10.

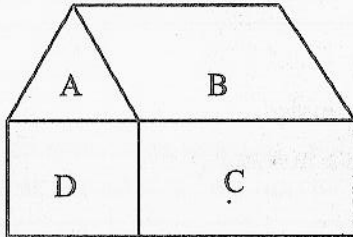
14.



If the area of one square in the figure is 1cm^2 find the area of the whole figure.

15. A certain tele drama is telecast from 6.20 p.m. to 7.15 p.m. What is the duration of time of telecasting the drama?

16.



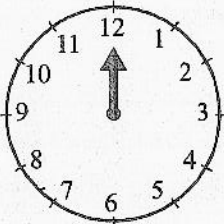
Name the plane figures denoted by the letters A, B, C and D in the diagram given below.

17. Represent the number 13 using tally marks.

18. A solid has been made pasting two equal regular tetrahedrons by their bases. Find the number of
a) Faces
b) Edges of the new solid.

19. $81 = 3^{\square} = 9^{\square}$ Fill in the blank boxes with suitable values.

20.

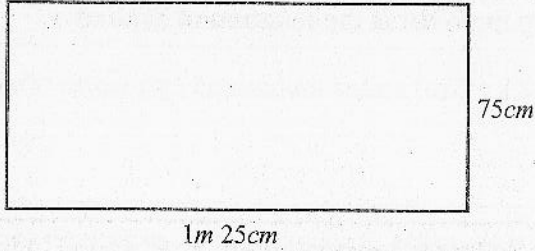


The figure shows the position of the hour hand when the time is 12.00 noon. What is the type of the angle it forms after 8 hours with its previous position.

Part II

- Answer the first question and four other questions.
- The first question carries 16 marks and other questions carry 11 marks each.
- Use separate papers to write the answers.

01. Given below is a rough sketch of a rectangular notice board in your school.



- i. Write down the length of the notice board in centimeters.
- ii. Write down ratio between the length and the breadth of the notice board.
- iii. Express the simplest form of the above ratio you obtained in question number (ii).
- iv. Find the perimeter of the notice board in meters.
- v. It is decided to paste red ribbons along the two length sides and blue ribbons along the two breadth sides.
 - a) Find the total length of the red ribbon and the blue ribbons separately.
 - b) Find the ratio between the lengths of the red ribbon and the blue ribbon and express it in its simplest form.
- vi. State whether the ratios you obtained in question numbers (iii) and (v) are equivalent.
- vii. Square shaped notices with the side length 25cm are pasted on this notice board. Find the maximum number of notices that can be pasted on it?

02. The number of yoghurt cups sold at a certain supermarket on 5 days is represented in the following picture graph.

Monday	    
Tuesday	      
Wednesday	     
Thursday	
Friday	   

 = represents 50 yoghurt cups

- i. How many yoghurt cups are represented by the figure  ?
- ii. Find the number of yoghurt sold on Wednesday?
- iii. 400 yoghurt cups were sold on Thursday. Represent that amount in the graph.
- iv. How many more yoghurt cups were sold on Tuesday than on Thursday?
- v. Find the total number of yoghurt cups sold on five days.
- vi. If the price of one yoghurt cup is Rs. 80 find the total income.

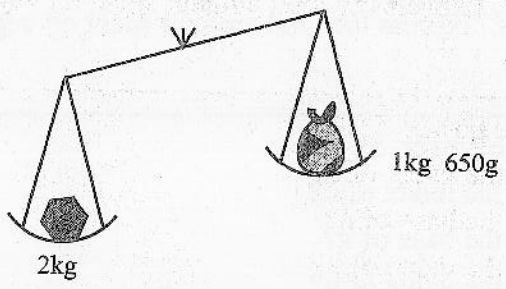
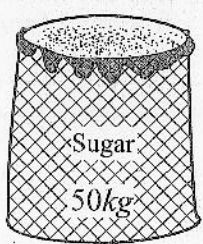
03. i. Fill in the blanks of the following table using the knowledge you gained on knowns/unknowns.

Statement	known / unknown	constant / variable
1. The weight of a pumpkin		
2. The number of sides of a quadrilateral.		
3. The quantity of water drunk by a man per day		
4. The number of players in a cricket team		

- ii. Write down an algebraic expression for the total cost when buying a pumpkin at Rs. x and a coconut at Rs. 150.
- iii. If the price of the pumpkin is Rs. 275 find the total cost by substituting the above value for the algebraic term in the expression you obtained in question number ii.

04. i. Draw the shape of one face of a tetrahedron.
- ii. What type of the angle formed by two edges of it?
- iii. Draw the shape of one face of a cube.
- iv. What type of the angle formed by two edges of it?
- v. Draw the shape of the angle when the two angles you named above are joined together. What is the type of this angle?

05.



Answer the following questions according to the information given on sugar sale in a certain grocery.

- i. Find the remaining amount of sugar in the gunny bag when the amount shown in the scale is removed from it.
- ii. How much more sugar be added to the scale so as to make 2 kg of sugar?
- iii. Fill in the blanks of the following relationships with suitable values.

- a) $2\text{kg} = 500\text{g} \times \dots\dots\dots$
- b) $2\text{kg} = 250\text{g} \times \dots\dots\dots$
- c) $2\text{kg} = 100\text{g} \times \dots\dots\dots$

iv. Add

kg	g
4	75
+ 3	685



06. i. Represent the following fractions by drawing diagrams.

a) $\frac{3}{4}$

b) $\frac{1}{2}$

ii. Fill in the blanks using $<$, $>$

a) $\frac{1}{7}$ $\frac{1}{3}$

b) $\frac{3}{5}$ $\frac{2}{5}$

c) $\frac{5}{10}$ $\frac{1}{2}$

iii. Find the value

a) $\frac{3}{4} - \frac{1}{2}$

b) $\frac{5}{12} + \frac{1}{12} + \frac{5}{12}$

iv. Nandani went to the market and spent $\frac{2}{3}$ of the money in hand for buying vegetables and $\frac{1}{10}$ for buying fruits. Express the total amount spent on vegetables and fruits as a fraction of money in her hand.

07. i. Consider the power 5^3

a) What is the index of it?

b) What is the base of it?

c) What is the value of it?

ii. What is three times 5 equal to ?

iii. Find the value of $3^2 \times 10^2$

iv. Fill in the blank appropriately with either the symbol ' $<$ ' or the symbol ' $>$ '

4^3 2^4

v. Write down the number 1000 as a power of 10.