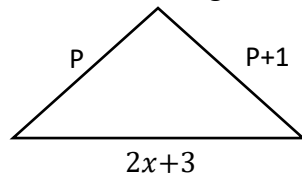
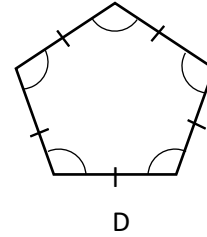
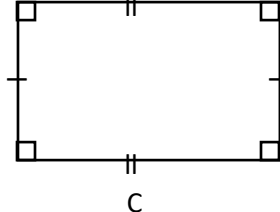
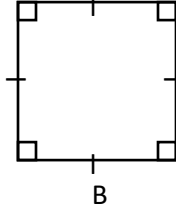
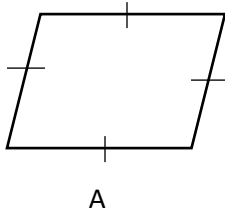


11) Write down the perimeter of the figure as an algebraic expression.

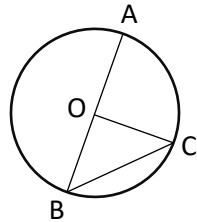


12) Select the regular polygons.



13) Mass of a packet of biscuit is 400 kg. Indicate the mass of 12 such packets in kg.

14) Name the center and diameter of the given circle.



15) Simplify

i) 3.751×100

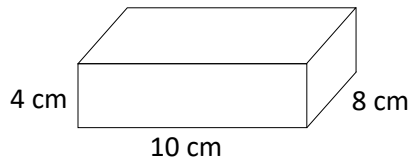
ii) $32.41 \div 1000$

16) Find the highest common factor of the numbers 30, 50, 75.

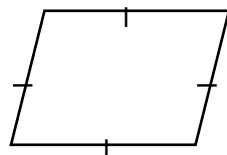
17) Write down the first date and last date of 18th century.

18) Find the value of y in the equation $y = mx + c$, when $m = 3$, $x = 2$ and $c = 5$.

19) How many cubes of side length 2 cm can be packed to completely fill the cuboidal shaped box?



20) How many axes of symmetry are there in this figure?

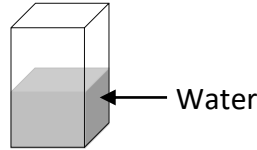


Part II

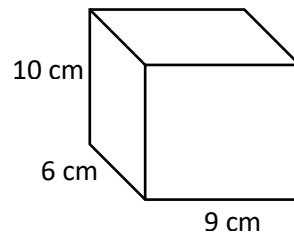
- Answer the first question and four more questions.
- The first question carries 16 marks and other questions carry 11 marks each.

01) Each object occupies a certain amount of space. This space is called the volume of the object.

- a) i) Name 2 standard units used to measure volume (02 marks)
ii) The container shown in the figure contains 12 cm^3 of water. Calculate the volume of the container. (01 mark)



- iii) Find the volume of a cube whose side length is 3 cm. (02marks)
iv) Find the volume of the cubic box shown in the figure. (03 marks)



- v) How many cubes of side length 3 cm are required to completely fill this box? (02 marks)
- b) 1 bottle of milk containing 1375 ml is brought daily to Sahan's house where there are 5 people.
- i) Express 1375 ml in liters and milliliters. (01 mark)
ii) Sahan's mother prepares a mixture by adding 150 ml of water to that amount of milk. What is the volume of the mixture? (01 mark)
iii) If 10 ml is wasted in heating the mixture, find the quantity of milk remaining. (01 mark)
iv) If equal amount of milk is given to everyone in the family, find the amount of milk received by each person. (02 marks)
v) A bottle of milk costs Rs. 180/- find the cost for 6 days (02 marks)
- 02) i) Draw the straight-line segment AB of length 5 cm. (02 marks)
ii) Create an angle of 120° at B so that AB is an arm. (03 marks)
iii) On that arm mark point C such that $BC=6 \text{ cm}$ (02 marks)
iv) Draw the parallelogram ABCD using the set-square and the ruler (03 marks)
v) Measure and write the value of $\angle DAB$. (01 mark)
- 03) a) $P = \{\text{Letters of the word "MATHUGAMA"}\}$
- i) Denote the set P by a Venn diagram. (02 marks)
ii) Express set P in terms of its' elements (02 marks)
- b) List the following set by common features that can be specifically identified
 $B = \{2,3,5,7\}$
- c) Buses run in every 12, 15 and 30 minutes from Mathugama to 03 cities A, B, C respectively.
A.M. If all the three buses leave at 8.00 at the same time, find the time when all the three buses leave at the same time again. (03 marks)

04) i) Express 3.021 on an abacus (02 marks)

ii) Express the fractions $\frac{13}{20}$ as a decimal number. (02 marks)

iii) Simplify (04 marks)

a) 1.045×9

b) $\begin{array}{r} \text{g} \quad \text{mg} \\ 12 \quad 532 \\ \times \quad 4 \\ \hline \end{array}$

iv) Mass of 7 equal pieces of iron is 3.752 kg. Find the weight of one piece in grams. (03 marks)

05) i) Write down the decade, century, millennium to which the date 2023-09-01 belongs. (03marks)

ii) Choose leap years from the years in the box.

2007	1956	1074
1600	1506	

iii) Dileepa's birthday is on 04.11.2012. Find his age as at 01.09.2023. When Dileepa's age was 5 years 2 months 03 days when Dileepa's sister was born. Find sister's birthday.

(03 marks)

iv) If Dilipa retires at the age of 55, when will he retire?

(03 marks)

06) i) Simplify

a) $\frac{2}{3} + \frac{1}{3}$

b) $3\frac{6}{7} - 1\frac{3}{5}$

(03 marks)

ii) Find the value of $(-5) + (+4)$ using a number line

(03 marks)

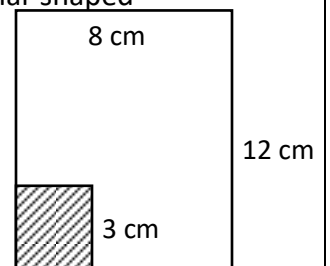
iii) Expand and write $4x^2y$

(02 marks)

iv) Find the value of $4x^2y$ when $x = 3$ and $y = 6$.

(03 marks)

07) A square shaped portion has been reserved for decoration in a rectangular shaped invitation card.

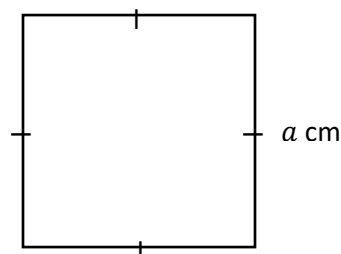
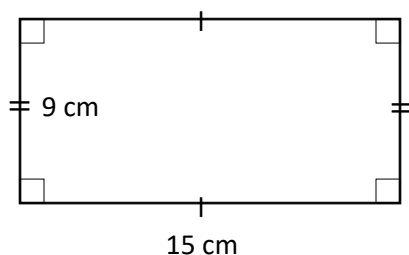


i) Find the area of the entire invitation. (02 marks)

ii) Find the area of the section reserved for decoration. (03 marks)

iii) A ribbon is pasted around the invitation card. Find the length of the pasted ribbon. (02 marks)

iv) If the perimeters of the two given laminas are equal, find the value of a . (03 marks)





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නිවසටම ගෙන්වා ගන්න



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කෙටි සටහන්, වැඩ පොත්, අතිරේක කියවීම් පොත්, සඟරා
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