

14.02.2024
 Resource Centre
 Department of Education - Western Province
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 Kandy

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 மேல் மாகாணக் கல்வித் திணைக்களம்
 Department of Education - Western Province

වර්ෂ අවසාන ඇගයීම - 2023 (2024)
 ஆண்டிறுதி மதிப்பீடு - 2023 (2024)
 Year End Evaluation - 2023 (2024)

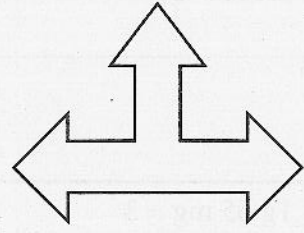
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ශ්‍රේණිය } 07 தரம் } Grade }	විෂය } பாடம் } Mathematics Subject }	පත්‍ර } வினாத்தாள் } I, II Paper }	කාලය } காலம் } 02 Hours Time }
නම } பெயர் } Name }	විභාග අංකය } சுட்டிலக்கம் } Index No. }		} } }

Part I

- Answer all questions on this paper it self
- Each question carries 02 marks

01. Draw all the axes of symmetry of the given figure.



02. Use the suitable words to fill the blanks.

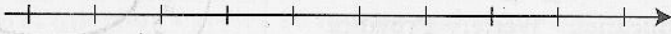
A group of items that can be clearly identified is defined as aand the items in a set are called its.....

03. Simplify $25 - 5 \times 4$

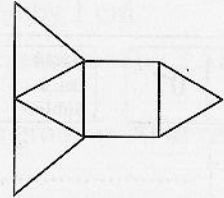
04. $12 = 2 \times 2 \times 3$
 $18 = 2 \times 3 \times 3$ Find the highest common factor of 12 and 18

05. When $x = 1$ and $y = 5$, Find the value of $2xy^2$.

06. Find the value of $(-5) + (+4)$ using the number line given below.



07. Write the name of the solid that can be made using the given net.



08. Underline the unbiased objects from the objects given below.

- i. Coconut shell ii. Fair coin iii. Regular tetrahedron iv. Cuboid shaped block of wood.

09. Simplify. 0.006×20

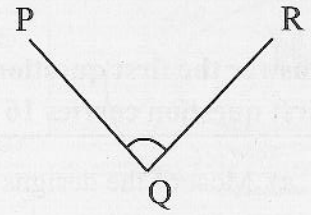
10. Simplify. $1\text{ g } 65\text{ mg} \div 3$

11. If a certain solid has 9 faces and 9 vertices, find the number of edges.

12. Write $3\frac{2}{7}$ as an improper fraction.

13. Simplify. $3x + 5y - x - y$

14. i. Name the vertex of the given angle



ii. Name the angle

15. Write 0.75 as a fraction . Write it in the simplest form.

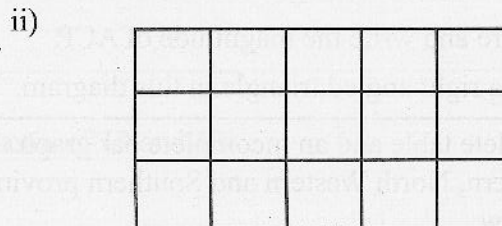
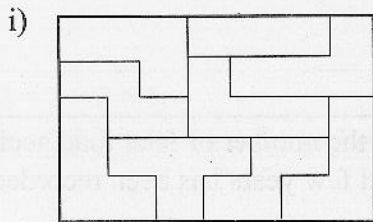
16. Find the total volume of drink prepared by mixing 450 ml of fruit juice to 1.5 l of water in millilitres.

17. Solve. $2x - 3 = 11$

18. Simplify

32cm	3mm
- 7cm	5mm
<hr/>	
<hr/>	

19. Write what type of tessellations given below on the dotted line.



20. Find the height of the cuboid shaped box of length 5cm and breadth 4cm. Its volume is 60 cm^3 .

Part II

- Answer the first question and any other four questions.
- First question carries 16 marks and other questions carry 11 marks for each.

01. a) Most of the designs that exist in the real world are ideas that came from the minds of designers.
- Explain what a scale diagram is, by its shape and size.
 - Express as a ratio, the scale of a scale diagram where 6 m is represented by 1 cm.
 - In a map drawn to the scale 1 : 1000, find the actual length in metres represented by 2.5 cm.
- b) In a group activity , the length and breadth of a pavilion measured by one group is 70 m and 20 m respectively.
- Suggest a suitable scale to draw the scale diagram.
 - According to that, copy the given table on your answer script and fill in the blanks.

Measurement	Actual length	Length of the scale diagram
Length	70mcm
Breadth	20mcm

- Find the area of the pavilion.
- Find the perimeter of the scale diagram.

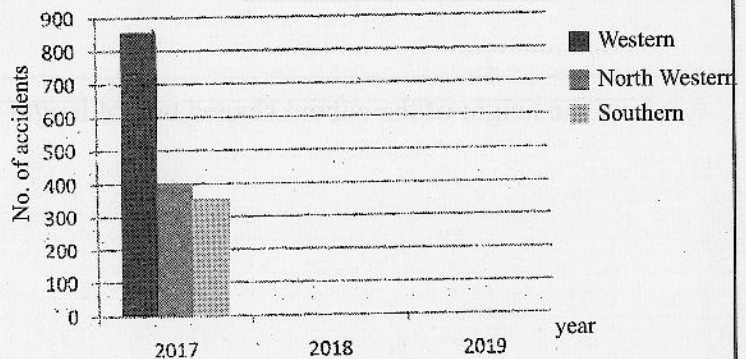
02. Using a straight edge, a pair of compasses and a set square, do the following constructions in one diagram.

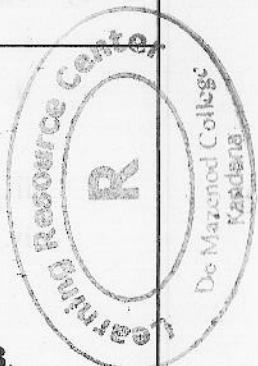
- Construct the straight line segment AB of length 6cm.
- Mark a point P on AB such that AP=3cm
- Draw a perpendicular line at P to AB using set square.
- Using the pair of compasses, mark the point C on the perpendicular line such that AC= 6cm.
- Join AC and BC to get a triangle and write the type of the triangle according to the sides of the triangle ABC.
- Measure and write the magnitude of \hat{ACP} .
- Name a right angled triangle in this diagram.

03. An incomplete table and an incomplete bar graph that represent the number of fatal road accidents in the Western, North Western and Southern provinces in the last few years has been recorded are shown below.

year \ province	2017	2018	2019
Western	800	750
North western	450	450
Southern	400	300

Source – Traffic police headquarters.





- i. Copy the 2017 column only on your answer script of the table and fill in the blanks of it.
- ii. Copy the multiple column graph given above and complete it.
- iii. How many fatal road accidents have occurred in the Western Province within given three years.
- iv. Which province has shown a decrease of the road accidents during these three years.

04. a) Write the given decimal numbers and fractions as a percentage.

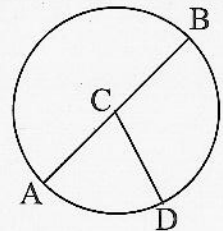
- i. $\frac{4}{5}$
- ii. $\frac{3}{8}$
- iii. 1.08

b) The ratio of the rambutons divided between A and B is 3:5 A received 15 rambutons.

- i. How many rambutons in one portion?
- ii. How many rambutons received by B?
- iii. If A got 22 rambutons , what is the ratio of the rambutons divided between A and B.

05. a) Answer the questions given below based on the diagram given.

- i. Name point C
- ii. Write the special name used to define the straight line segment AB.
- iii. If $DC = 6\text{cm}$, write length of AB and length of BC

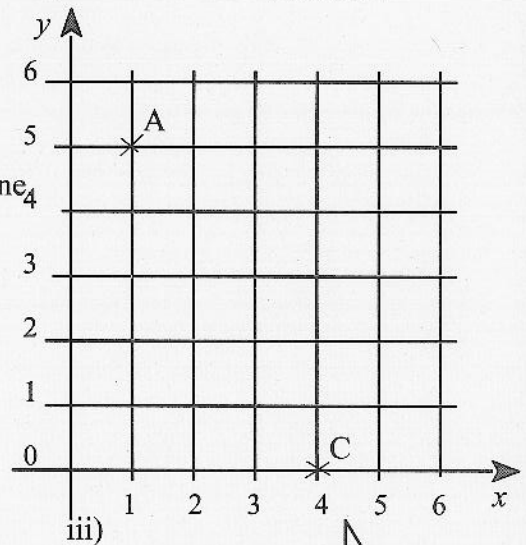


b) Sahan received a twenty – day – old puppy as gift on his twelvth birthday, 2023.02.25. The frist vaccination should be given to the puppy when the puppy is 45 old days

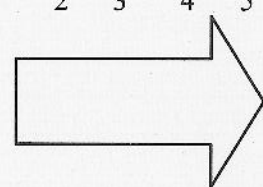
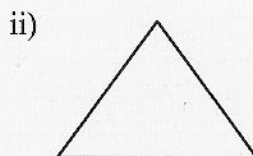
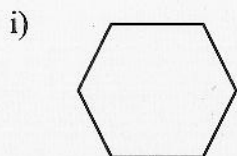
- i. Is the year AD 2023 a leap year?
- ii. When was Sahan's first birthday?
- iii. When was the first vaccination should be given to the puppy?

06. a) The two points A and C are lie on Cartesian plane.

- i. Write the coordinates of these two points
- ii. Copy the given Cartesian plane on your answer script.
- iii. Mark the points B (5,3) and D (0,2) on the Cartesian plane
- iv. Join the points A,B,C and D in order.
- v. Write the special geometric name used for the closed plane figure you obtained above.



b) Write down the names of the following polygons.



07. a) Simplify

i. $2\frac{1}{4} + 1\frac{5}{12}$

ii. $2\frac{1}{8} - 1\frac{1}{2}$

- b) The amount of money that Sachini's father has Rs. P. He gave Rs. 500 to the Sachini's mother.
- Construct an algebraic expression for the remaining amount now he has.
 - The remaining amount was divided equally between Sachini and her brother. Construct the algebraic expression for the amount that Sachini received.
 - If Sachini received Rs.750, construct an equation in terms of P.
 - If the amount of money that Sachini's father had Rs.3700, how much did Sachini get?

