



කලාප අධ්‍යාපන කාර්යාලය - කොළඹ
வலயக் கல்வி காரியாலம் - கொழும்பு
Zonal Education Office - Colombo
දෙවන වාර පරීක්ෂණය - 2024
இரண்டாம் தவணை பரீட்சை - 2024
Second Term Test - 2024

Grade 7

Mathematics I, II

Time 2 hours

Name : Index Number :

Part I

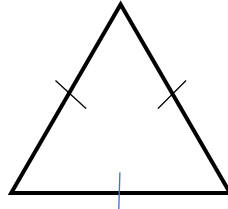
- Answer all the questions from 1 to 20 in this paper.
- Each question carries 02 marks.

1) Simplify.

$$10 + 4 \times 3$$

2) Find the value of $(-5) + (-2)$

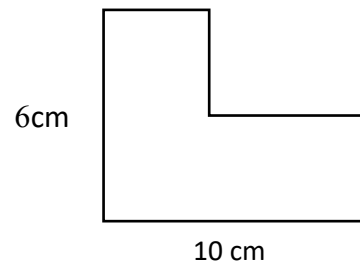
3) Draw all the axes of bilateral symmetry in the figure.



4) Write the expression $5 \times 5 \times 5 \times a \times a$ in the form of indices

5) $\frac{13}{20}$ Write 13 as a decimal number.

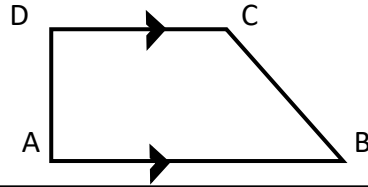
6) Find the perimeter of the figure.



7) Arrange in ascending order.

$$\frac{3}{4}, \frac{2}{3}, \frac{5}{6}$$

8) Name a pair of parallel lines in the figure.



9) Inuki's birthday is 2020.10.12. Thushmi is 2 years 11 days 11 days older than Inuki. Find Thushmi's birthday.

10) Write the number that is 7 times more than half of the number represented by x as an algebraic expression.

11) Among the following statements, mark \checkmark in front of the correct statements and mark \times in front of the incorrect statements.

I. If there is a reflex angle as an interior angle of a polygon that polygon is a convex polygon. (....)

II. Polygons are regular polygons when all the sides and all the angles are equal. (....)

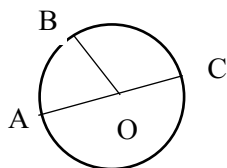
III. The rhombus is a regular polygon. (....)

12) The length and width of a cuboid wooden block with the volume 240 cm^3 is 12 cm and 5 cm respectively. Find its height.

13) Solve.

$$5x - 2 = 13$$

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



15) Simplify.

(i) 5.243×100

(ii) $342.5 \div 1000$

16) The mass of a packet of biscuits is 450g. If 08 such packets are packed in a box of mass 550g, find the total mass of the box.

17) If $A = \{\text{letters of the word "COLOMBO"}\}$, write all the elements of A in curly brackets.

18) 3,5,2,1 Using these four digits only once, write the smallest four-digit number divisible by 4 without remainder.

19) Write the start date and end date of 21st century in standard form.

20) Write 20 as a product of prime numbers.

Part II

❖ Answer the first question and four more questions.

❖ The first question carries 16 marks and the other questions carry 11 marks each.

(01) The following table shows a list of goods containing materials and quantities purchased at Market by Nimali. Answer the questions accordingly.

Materials	Price per 1 kg	Quantity purchased	Price
Rice	Rs. 250.00	5 kg
Dhal	Rs. 200.00	2.5 kg
Flour	Rs. 120.00	Rs. 180.00
Sugar	3 kg	Rs. 465.00
Tea leaves	Rs. 800.00	250 g

a) (i) Copy the above table in your answer sheet and fill in the blanks.

(ii) Find the total mass of the bag Nimali bought.

(iii) Find the total value of the bag of goods purchased by Nimali.

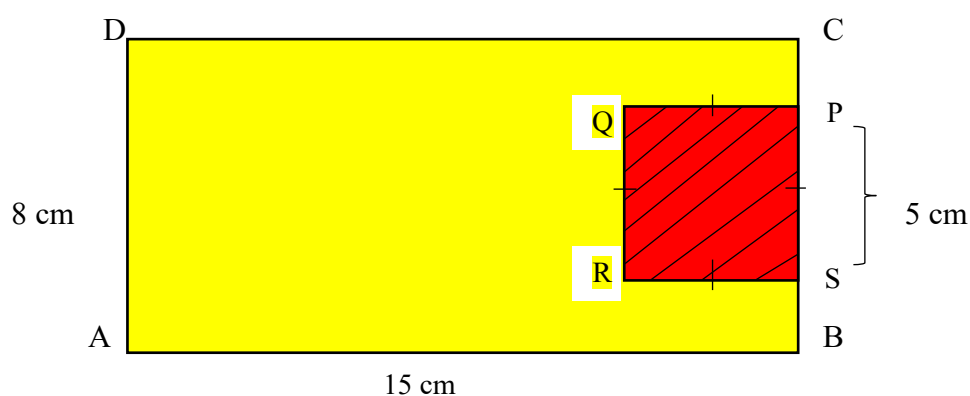
(iv) If Nimali prepares 12 bags of the above type to donate to an adult home, find the total mass of the 12 bags.

b) Nimali installs a pump to clean the well in her house and pumps the water out. It pumps out 4 l 475 ml of water in one minute.

(i) Find the volume of water in the well in *l* and *ml* if the pumps take 15 minutes to empty the entire well.

(ii) 5 pipes of equal length were connected to each other for pumping water and its total length was 43 m 5 cm. Find the length of one pipe.

(02) Below is an invitation card prepared to invite the principal for an event organized by the grade 7 students of the school.



a) (i) Find the length of SB.

(ii) Find the area of the shaded part of PQRS.

(iii) Find the area of the unshaded part.

(iv) Along the PQRS boundary starting from P and coming back to P the beads are planned to be glued so that the gap between two consecutive beads is 1 cm. Find the number of beads required for it.

b) If the perimeter of a square is equal to an equilateral triangle whose side length is 12 cm, find the length of a side of the square.

(03) (a) Simplify.

(i) $\frac{1}{10} + \frac{3}{5}$

(ii) $4\frac{3}{5} - 1\frac{1}{2}$

(b) Find the value of $(-3) + (+5)$ by using a number line.

(c) (i) Write the number 64 in base 2 index form.

(ii) Expand and write $3x^3y^2$

(iii) If $x = 2$ and $y = 5$, find the value of $3x^3y^2$

(04) (i) Sujani's birthday is 25.12.2012. Find her age on 01.08.2024.

(ii) Sujani's younger brother is younger than Sujani by 3 years 2 months 15 days. Find the birthday of Sujani's brother.

(iii) Sujani says that the year in which Sujani's brother was born is a leap year. Is her statement true? Is it false? Give reasons.

(iv) Find the followings related to 2024 ,

(a) Decade

(b) Century

(c) Write the millennium.

(05) (a) (i) Write the name of the mathematician who introduced Venn diagram

$$P = \{ \text{digits of number "41214"} \}$$

(ii) Represent the set P by a Venn diagram

(iii) Mention 02 special points to be followed while writing a set in terms of members.

(iv) If $Q = \{ a, e, i, o, u \}$,

Write the set Q by a common characteristic

(b) Three lighthouses have 3 bells which are rung at 4, 6 and 8 minutes. All three bells ring in the morning at 10.30 am, find the time when all three bells ring at the same time again.

(06) (i) Construct a straight line segment of length 6 cm and name it AB.

(ii) Draw a line parallel to line AB such that the perpendicular distance between the two lines is 4 cm.

(iii) Mark the sign to show that the lines are parallel.

(iv) Construct an angle of 60° at A. Mark the point C where it intersects the above parallel line.

(07) (a) Find the value using the number line.

(i) $(+5) + (-3)$

(ii) $(-4) + (+5)$

(b) Find the value without using the number line.

(i) $(+8) + (-5)$

(ii) $(-4.5) + (-3.2)$

(iii) $(+\frac{3}{7}) + (-\frac{4}{7})$

(c) $25 \square 2$

If this number is divisible by 6 , write two digits which are suitable for the given blank.

PARCEL NO



LOL.1k
BookStore

විනාශ ඉලක්ක පහසුවෙන් ජයගන්න

ඕනෑම තොරතුරු ඉක්මනින්
නිවසටම ගෙන්වා ගන්න



කෙටි සටහන්|පසුගිය ප්‍රශ්න පත්‍ර|වැඩ පොත් සඟරා|O/L ප්‍රශ්න පත්‍ර|
A/L ප්‍රශ්න පත්‍ර|අනුමාන ප්‍රශ්න පත්‍ර|අතිරේක කියවීම් පොත්|
School Book ගුරු අතපොත්



pesuru
Prakritha Private Ltd.

Akura Pilot



පෙර පාසලේ සිට උසස් පෙළ දක්වා සියළුම ප්‍රශ්න පත්‍ර,
කෙටි සටහන්, වැඩ පොත්, අතිරේක කියවීම් පොත්, සඟරා
සිංහල සහ ඉංග්‍රීසි මාධ්‍යයෙන් හෙදරටම හෙත්වා ගැනීමට

www.LOL.lk වෙබ් අඩවිය වෙත යන්න