කලාප අධ්‍යාපන කාර්යාලය- දෙහිඕවිට

வலயக் கல்விக் காரியாலயம் - தெஹியோவிட்ட

Zonal Education Office - Dehiowita

දෙවන වාර පරීක්ෂණය 2024 7 ශ්‍රේණිය

இரண்டாம் தயனணப் பரீட்சை 2024 தரம் 7

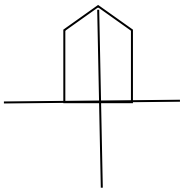
Second Term Test 2024 Grade 7

Mathematics | 2 hours

EvaluationPart I

- Write answers for all the questions.

01. Complete the figure using the axis of symmetry.



02. Write down a number divisible by 9 using only one digit of 2 or 5 at two times .

03. The mass of a packet of toffees is 1kg 125g.Find the mass of 8 such packets.

04. Find the value.

10 – 2 x 3

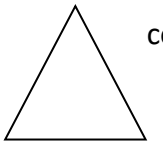
05. If x = 3 ,find the value of $2x^2$.

06. Write the letters of the word "tomorrow" as a set .

07. Fill in the blanks.

$\frac{3}{4} = \frac{75}{\square} = \square$ %

08. If the given statement is correct put a √ if incorrect put a X .



concave and regular polygon ☐

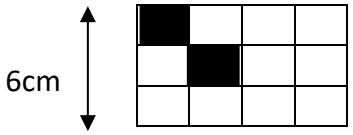
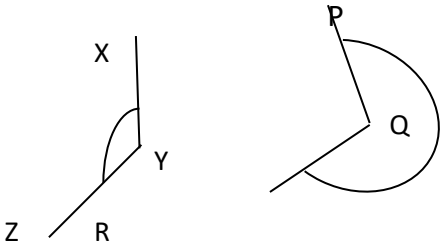
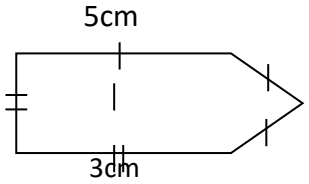
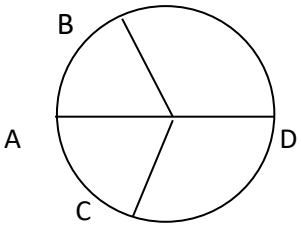
convex but not regular ☐

09. Select the leap year and underline it.

(i)BC 1948 (ii) BC 1900

(iii) BC 1800 (iv) BC 2022

10. Write $2\frac{4}{5}$ as an improper fraction .

11. Simplify 2l 800ml ÷14	12. The figure shows a rectangle which is divided into equal parts. Find the area of the shaded region using the given measurements. 
13. Fill in the blanks using the given angles. The vertex of angle XYZ is ….. and it is an …….. angle. The vertex of angle PQR is …… and it is a ..... angle. 	14. Find the perimeter of the figure . 
15. Write down the two prime factors of 45 .	16. Write 16 as a power of 2 .
17. Draw the angle PQR=75^0 using the given line segment. P ——————————— Q	18."Multiply x by 3 and subtract 5 from it " buildup an algebraic expression for the statement.
19. Name the diameter of the given circle. 	20. Find the area of the rectangle of the length and the breadth are 12cm and 8cm respectively.

Part II

- **Answer Only Five Questions.**

01. a) i . Using the given cards write down two questions.

32	P	2P	12	○	+	4	18	-

(2)

ii. Write down an algebraic term and a constant value in those two equations. (2)

b) In the equation 3p +7 = 19

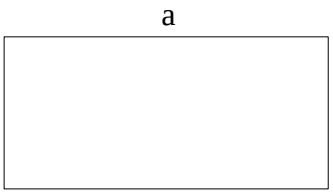
i. Write two mathematical operations. (2)

ii. Write the coefficient of the algebraic term. (2)

iii. Solve the equation 8p -4 = 20 in algebraic method. (2)

iv. Solve the equation $5x$ -2 =13 using the flow diagram. (2)

c)

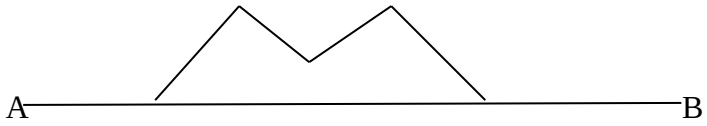


The length and the breadth of the rectangle is a and b respectively.

i . If its perimeter is P build up a formula for the P using a and b . (1)

ii. If a = 12 cm and b = 6 cm find P .(1)

02. a)



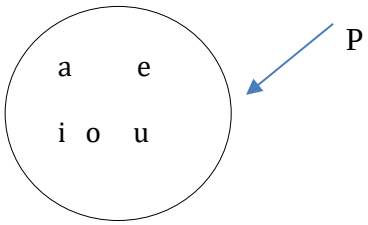
i. If the axis of symmetry is AB , complete the diagram to obtain a bilateral symmetrical figure. (1)

ii. How many axes of symmetry for that figure? (1)

b) M ={Letters of the word "KELANIWELI" }

i. Represent the set M in listing its elements. (2)

ii .



Represent the set P in another two ways. (2)

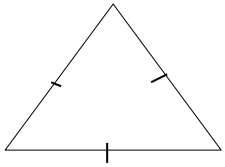
C) i. $16 = 4^{\ldots\ldots}$ $16 = 2^{\ldots..}$ Fill in the blanks using the knowledge on indices.(2)

ii. Expand the given expression. (2)

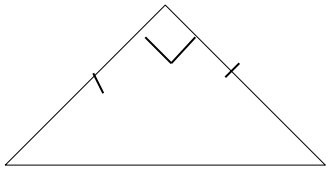
$25x^4$ $(25 = 5^2)$

iii. If x = 1 and y = 2 , Find the value of x^6y^3 (2)

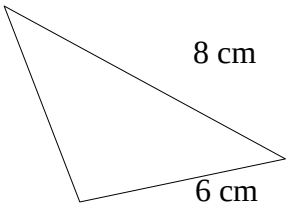
03. a)



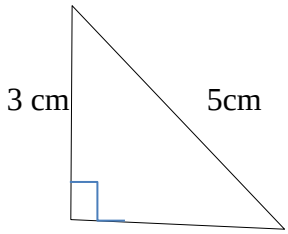
A



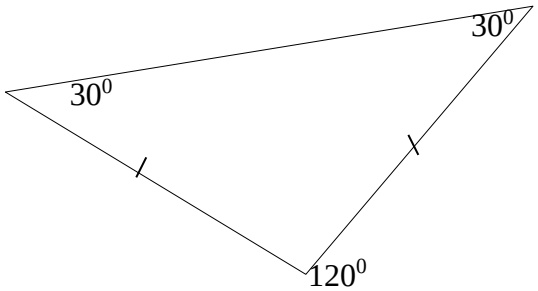
B



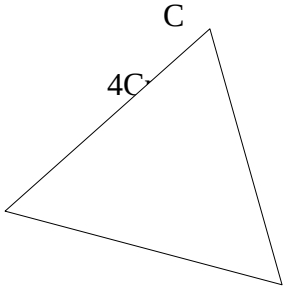
C



D



E



6cm

F

Complete the grid using the letters of the above triangles.

	Equilateral triangle	Isosceles triangle	Scalene triangle
Acute angled triangle			
Right angled triangle			
Obtuse angled triangle			

(6)

b) i. Draw a concave and a convex polygon with four sides separately. (2)

c) i. Draw a straight line segment with 7cm and name it as PQ. (1)

ii. Draw a straight line segment with QR = 7cm and the angle PQR = 80^0 . (2)

iii. Join P and R and then measure the magnitude of the angle PQR . (1)

04 a) i. Fill in the blank using the suitable value from the barckets. (1)

5 ..... is $\frac{5}{8}$ ($\frac{1}{2}$ s , $\frac{1}{8}$ s , $\frac{1}{5}$ s)

ii.  Write the mixed number shown in the figure. (1)

iii. Write 2.75 as an improper fraction with the denominator 100. (1)

iv. Write $\frac{13}{5}$ as a mixed number. (1)

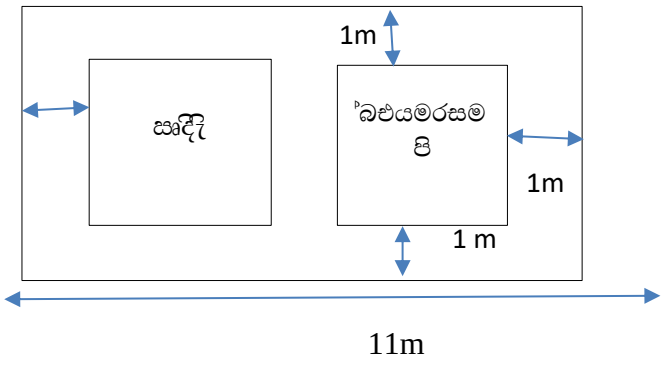
v. Simplify . $1\frac{1}{4} + 1\frac{1}{3}$ (2)

vi. Nethmi brought $4\frac{1}{3}$m of ribbon and remained $1\frac{1}{4}$ m after using to the dress . Find the length of the ribbon she used for the dress. (2)

vii. Write $\frac{8}{25}$ as a decimal number. (1)

vii. Siimplify . 5.231 x 25 (1)

05



The above figures shows a rectangular garden with two equal flower beds with roses and anthuriums and a foot path is allocated around the flower beds with its breadth 1m .

'

a) i. Find the length of a side of square shape flower bed. (2)
ii. Find the breadth of rectangular garden. (2)

b) i. Find the area of the rose flower bed . (2)
ii. Find the area of the rectangular garden. (2)
iii. Find the area of the foot path allocated around the flower beds. (2)

06 a) Rs 15 charge for the first minutes for a foreign phone call to a certain country and Rs. 7 charges for every minutes after that,

Build up a numerical expression for the cost of 10 minutes call and simplify it.

b) If the statement about the below numbers is correct put a √ if it incorrect put a X in the brackets.

448 5580 1122 1352

(a) The smallest number is divisible by 4. ( )

(b) The greatest number is divisible by 9. ( )

(c) 1122 is divisible by 6. ( )

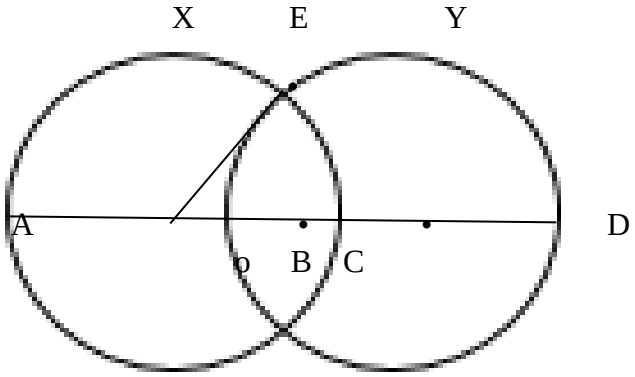
(d) All the numbers are divisible by 4. ( ) (4)

c) i. Write 72 as a product of prime factors. (1)

ii. Find the H.C.F. of 24 and 36. (2)

iii. Find the L.C.M. of 15 and 18. (2)

07 a) .



The above figure shows how the circles X and Y are intersected together.

i .Name the centre of the circle X .

ii. Name a radius of the circle X.

iii. Name the diameter of the circle Y.

iv. Amal says that by joining point B,E,C we get an equilateral triangle .Do you agree? Give reason.

If the perimeter of the triangle BEC is $15cm^2$,

v. Find the length of the triangle of circle X.

vi . which type of triangle is formed by joining E, C and D points according to the classification of triangle of their length of sides ?

PARCEL NO

LOL.lk
BookStore

විභාග ඉලක්ක
පහසුවෙන් ජයගන්න

ඕනෑම පොතක් 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

PADANAMA PUBLICATION
pesuru Prabashana Private Ltd.
Akura Pilot
සමනල දැනුම
T
සතර

පෙර පාසලේ සිට උසස් පෙළ දක්වා සියළුම ප්‍රශ්න පත්‍ර,
කෙටි සටහන්, වැඩ පොත්, අතිරේක කියවීම් පොත්, සඟරා

සිංහල සහ ඉංග්‍රීසි මාධ්‍යයෙන් ගෙදරටම ගෙන්වා ගැනීමට

www.LOL.lk වෙබ් අඩවිය වෙත යන්න