



VAVUNIYA TAMIL MADHYA MAHA VIDYALAYAM

First Term Examination – 2018

Grade:07

Mathematics

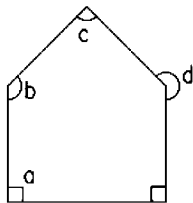
Time: 2 hours

PART-I

Answer all question in this paper

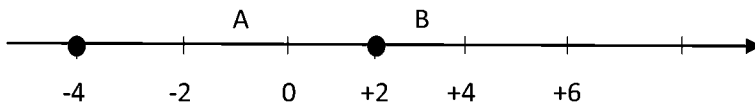
- Find the value of 73×100 ?
- Two boxes contain 612 and 428 sweets respectively. If divided among 40 students, how many sweets received by one student
- Write 8.30am in international standard form.
- Find the value of $2 + 5 \times 3$
- $12 = 1 \times \square$
 $= 2 \times 6$
 $= 3 \times \square$ Fill in the blank boxes.
- What is the digital root of 533? It is divisible by 3?

7. Write the type of each angle shown by the letters a, b, c, and d in the given figure.



- a =-----
 b =-----
 c =-----
 d =-----

- 8.



Write down the values represented by A and B on the number line given below.

A =-----

B =-----

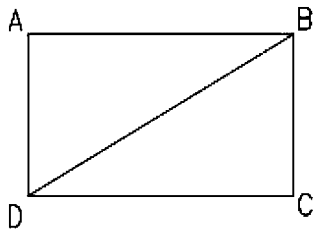
- 2l of water and 1l 200ml of fruit juice was mixed to prepare a soft drink, what is the amount of one glass if the soft drink is divided into 8 glasses equally in millilitres?
- a. What are the base of 5^2 ?
 b. Find the value of 5^2 ?

11. Write the numbers in set form which are between 0 to 5

12. Write today date in standard form.

13. In 2018 1. Which decade? -----
 2. Which millennium? -----

14. ABCD in the diagram is a rectangle. Name 2 pair of parallel line to each other from this diagram.



I. AB //-----
II. CD //-----

15. One person exercises for 25 minutes in morning and 35 minutes in evening everyday
How many hours does he spend exercising during a month?
(a month has 30 days)

16. I. Is the number 172132 divide by 4 without the dividing

II. explain the answer

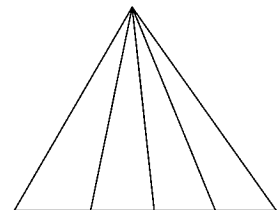
17. Select the smallest unit fraction of the following fraction

$$\frac{1}{9}, \frac{1}{5}, \frac{1}{2}, \frac{1}{3}$$

18. Using the digital root, explain why 532 is divisible by 3

19. Solve: $\frac{2}{5} + \frac{3}{10}$

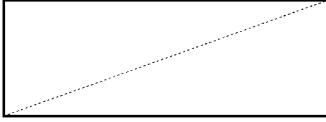
20. Find the total number of triangles can be seen in the figure given below?



PART -II

Answer all questions.

- 1) Recall the activity that you did about bilateral symmetry

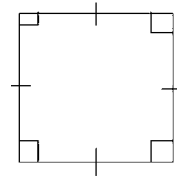
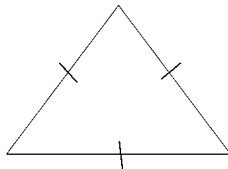
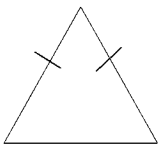


The given rectangle is fold along the dotted line.

- a. Is this line an axis of symmetry of the given rectangle? Give reasons
- b. Is this rectangle bilaterally about this line? Explain your answer giving diagram.
- c. What is a bilaterally symmetric plane figure?
- d. Redraw the above rectangle and marked the symmetric axes.
- e. Construct the symmetrical figure



- f. Draw their axes of symmetry and name them



- g. Write down the one of the Tamil and English symmetric letters

(16 marks)

- 2) a) When solve this equation $21 - 15 \div 3$, Sampavi and Sankavi have obtained the answers 16 and 2 Respectively
- i. Who is find the correct answer
 - ii. Simplify:
 - a) $15 + 9 \div 3$
 - b) $5 + 2 \times 4$
 - c) $9 \times 4 - 3$
 - d) $(18 - 3) \times 10$

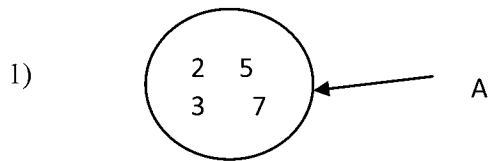
b) Suba mass was $34\text{kg } 400\text{g}$ on grade 6. In grade 7 her mass was $41\text{kg } 055\text{g}$. What is the increase in her mass during the one year? (11 marks)

03) When a whole number is written as a product of two whole numbers, those two numbers are known as factors of the original number.

- 1) Write the factors of 6.
- 2) Write the factors of 8.
- 3) Write the common factors of 6 and 8.
- 4) Find the H.C.F of 6 and 8.
- 5) Find the H.C.F of 12 and 18?

(11 marks)

04)



- I. Write the set represented by the Venn diagram, using a common property of its elements.
- II. B is the set of positive whole numbers from 1 to 5. Write down the set B by listing its elements.

2) Simplify:

- | | |
|--------------------|---|
| I. $(+3) + (-5)$ | II. $(+2.5) + (-1.4)$ |
| III. $(-3) + (-4)$ | iv. $(-1\frac{1}{2}) + (-2\frac{1}{2})$ |

(11marks)

- 05) a)
 - 1) Draw a straight line segment of length 6cm and name it AB.
 - 2) Draw a line parallel to the AB and name it as XY

b) Simplify:

I.	month	days		II.	year	months	days	
	5	17			5	9	20	
	3	23	+		3	3	16	-
	_____				_____			
	_____				_____			

III Varathan's date of birth 2006.05.18. What is his age on 2018.01.30 ?

(11marks)