Tenkasi District

Summative Assessment - 2025

16-04-25

Standard 6

MATHS

Part - A

Time: 2.00 Hours Marks: 60

I. Choose the best answer **5x1=5**

1) The reciprocal of $\frac{53}{17}$ is
   a) $\frac{53}{17}$ b) $5\frac{3}{17}$ c) $\frac{17}{53}$ d) $3\frac{5}{17}$
2) One unit to the right of −7 is
   a) +1 b) −8 c) −7 d) −6
3) If every side of a rectangle is doubled, then its area becomes ..... times
   a) 2 b) 3 c) 4 d) 6
4) Which word has a vertical line of symmetry?
   a) DAD b) NUN c) MAM d) EVE
5) The 11th term in the Lucas sequence 1, 3, 4, 7, ... is
   a) 199 b) 76 c) 123 d) 47

II. Fill in the blanks **5x1=5**

6) $8 \div \frac{1}{2}$ = ...
7) There are ..... integers from −5 to +5 (both inclusive)
8) $18m^2$ = ... cm^2.
9) ..... symmetry occurs when an object slides to new position
10) The next term in the sequence 15, 17, 20, 22, 25, ... is .....

III. Say True or False: **5x1=5**

11) $3\frac{1}{4} \times 3\frac{1}{4} = 9\frac{1}{16}$
12) All whole numbers are integers
13) The number 191 has rotational symmerty
14) The mixed fraction of $\frac{13}{4}$ is $3\frac{1}{4}$
15) −10 and 10 are at equal distance from 1

IV. Match the following: **5x1=5**

16) S - Infinite
17) U - Six lines of symmetry
18) O - Two lines of symmetry
19) H - No line of symmetry
20)  - One line of symmetry

Part - B

V. Answer the following any 10 questions: **10x2=20**

21) Simplify : $\frac{3}{7} + \frac{2}{3}$
22) Multiply: $8\frac{1}{3} \times 5$
23) Convert $5\frac{3}{7}$ into an improper fraction
24) Write all the integers between the given numbers
   i) −5 and 4 ii) −3 and 3

Tsi6M

25) Put the appropriate signs as < , > or = in the box
i) −8 ☐ −7 ii) 0 ☐ −200

26) Arrange the following integers in ascending order:
−28, 6, −5, −40, 8, 0, 12, −1, 4, 22

27) If the length of a rectangle is 12cm and the breadth is 10cm then find its perimeter

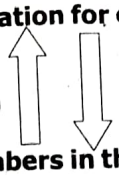
28) Find the area of a right angled triangle whose base is 18cm and height is 12cm

29) A square park has 40 m as its perimeter. What is the length of its side? Also find its area

30) What words will you see if a mirror is placed below the words MOM, COM, HIDE and WICK?

31) **Find the order of rotation for each of the following:**

i) 

ii) 

32) **Find next three numbers in the following number patterns**
i) 50, 51, 53, 56, 60, ...
ii) 10, 20, 40, 80, ...

33) **Complete the following pattern**
i) AB, DEF, HIJK, ☐, STUVWX
ii) 20, 19, 17, ☐, 10, 5

34) Find the HCF of two numbers 16 and 28

35) Find the opposite of the following numbers
i) 44
ii) −312

Part - C

VI. Answer the following any 5 questions: **5x3=15**

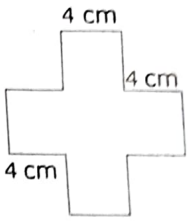
36) What is the total of $3\frac{1}{3}$ and $4\frac{1}{6}$

37) A rod of length 6m is cut into small rods of length $1\frac{1}{2}$ m each. How many small rods can be cut?

38) On the number line which number is
i) 4 units to the right of −7?
ii) 5 units to the left of 3?

39) Is there the smallest and the largest number in the set of integers? Give reason

40) *Find the perimeter and area of the following shape*



41) From one vertex of an equilateral triangle with side 40cm an equilateral triangle with 6cm side is removed. What is the perimeter of the remaining portion?

42) Draw the lines of symmetry for an equilateral triangle, a square, a regular pentagon also find the number of lines of symmetry

43) Replace the letter by symbols as + for A, − for B, x for C and ÷ for C and ÷ for D. Find the answer for the pattern 4 B 3 C 5 A 3 0 D 2 by doing the given operations.

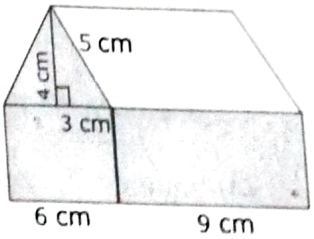
Part - D

VII. Answer any one of the following: **1x5=5**

44) a) Sankari purchased $2\frac{1}{2}$ m Cloth to Stich a long Skirt and $1\frac{3}{4}$ m Cloth to stitch blouse. If the cost is ₹120 per meter then find the cost of cloth purchased by her.

(OR)

b) Look at the picture of the house given and find the total area of the shaded portion.



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