Ts6M

Tenkasi District Common Examinations
Summative Assessment - 2023
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Standard 6

Time: 2.00 Hours   **MATHS**   Marks: 60

I. Choose the best answer: 5x1=5

1) The reciprocal of is $\frac{53}{17}$ is
   a) $\frac{53}{17}$ b) $5\frac{3}{17}$ c) $\frac{17}{53}$ d) $3\frac{5}{17}$

2) The opposite of 20 units to the left of 'O' is
   a) 20   b) 0   c) −20   d) 40

3) If every side of a rectangle is doubled then its area becomes .... times.
   a) 2   b) 3   c) 4   d) 6

4) The order of rotational symmetry of 818 is ....
   a) 1   b) 2   c) 3   d) 4

5) The next term in the sequence 15, 17, 20, 22, 25, ... is
   a) 28   b) 29   c) 27   d) 26

II. Fill in the blanks: 5x1=5

6) The sum of a whole number and a proper fraction is called ....
7) .... is an integer which is neither positive nor negative.
8) 8 km² = ... m²
9) A rhombus has .... lines of symmetry.
10) The 10th term of the Fibonacci sequence is ....

III. Say True or False: 5x1=5
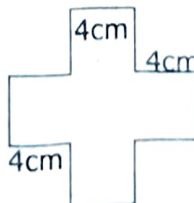
11) $3\frac{1}{2}$ can be written as $3+\frac{1}{2}$
12) All negative integers are greater than zero.
13) The reflection of the name RANI is ИИAЯ
14) Order of rotation of a circle is infinite.
15) −10 and 10 are at equal distance from 1.

IV. Match the following: 5x1=5

16) Square   -   No line of symmetry
17) Parallelogram   -   One line of symmetry
18) Isosceles triangle   -   Two lines of symmetry
19) Rectangle   -   Infinite
20) Circle   -   Four lines of symmetry

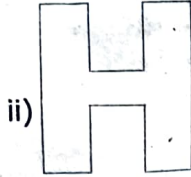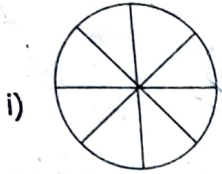## V. Answer the following any 10 questions: 10x2=20

21) Add $\frac{2}{3}$ and $\frac{3}{5}$

22) Convert $\frac{99}{7}$ into a mixed fraction.

23) Multiply : $3\frac{5}{7} \times 1\frac{1}{13}$

24) Draw a number line and mark the integers 4, −3, 6, −1 and −5

25) **Find the opposite numbers.**
    i) 0   ii) −312

26) Write all the integers in between −5 and 4

27) Arrange the following integers in descending order: −99, −120, 65, −46, 78, 400, −600

28) Find the area of a rectangle of length 12cm and breadth 7cm.

29) Find the perimeter of this shape.

4cm
      4cm

4cm

30) Find the area of a right angled triangle whose sides are 6 feet, 8 feet and 10 feet.
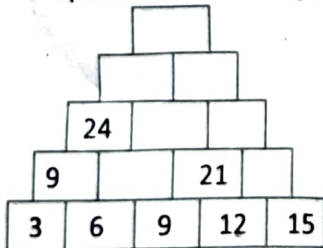
31) Find the order of rotation for each of the following.

i)   ii)

32) Find the next four numbers 50, 51, 53, 56, 60, ...

33) Find the HCF of two numbers 16 and 28 by Euclid's game.

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

34) Simplify : $1\frac{3}{5} + 5\frac{4}{7}$

35) Ravi bought a curtain of length $15\frac{3}{4}$ m. If he cut the curtain into small pieces each of length $2\frac{1}{4}$ m, then how many small curtains will he get?

36) On the number line, which number is
   i)   4 units to the right of –7
   ii)   5 units to the left of 3?

37) **Arrange the integers in ascending order and descending order.**
   –15, 0, –7, 11,, 12, 3, –5, 1, –20, 25, 18

38) Find the cost of fencing a square plot of side 12m at the rate of Rs.15 per metre.

39) The area of a rectangular shaped photo is 820 sq.cm and its width 20cm. What is its length? Also find its perimeter.

40) Find the alphabets in the box which have
   i)   No line of symmetry
   ii)   Rotational symmetry
   iii) Reflection symmetry

A	M	P	E
D	I	K	O
N	X	S	H
U	V	W	Z

41) Complete the following pattern.

		24		
	9		21	
3	6	9	12	15

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

42) Complete the following pattern
   1 + 3 + 5 + 7 = 16
   $\boxed{3}$ + 5 + 7 + 9 = 24
   5 + 7 + 9 + $\boxed{11}$ = $\boxed{32}$
   7 + 9 + $\boxed{11}$ + 13 = $\boxed{40}$

43) Find the perimeter and the area of the L shaped figure.

7cm

28cm

7cm

28cm