

**Class : 6**Register Number 

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**THIRD TERM - SUMMATIVE ASSESSMENT(SA) - 2023 - 24**

Time Allowed : 2.00 Hours]

**MATHEMATICS**

[Max. Marks : 60

**PART - I**

I. Choose the correct Answer.

5x1=5

1. The reciprocal of  $\frac{53}{17}$  is
- a)  $\frac{17}{53}$                       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.  $2\text{ cm}^2 = \text{----- mm}^2$
- a) 200                      b) 20                      c) 2000                      d) 20000
4. The order of rotational symmetry of 818 is -----
- a) 1                      b) 2                      c) 3                      d) 4
5. The 11<sup>th</sup> 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. The number which has its own reciprocal is -----
7. Dividend = (divisor x quotient) + -----
8. Perimeter of rectangle is -----
9. ----- is an integer which is neither positive nor negative.
10. ----- Symmetry occurs when an object slides to new position.

III. Match the following.

5x1=5

11. Rectangle -  $\frac{17}{5}$
12.  $\frac{53}{17}$  - S x S sq.units
13. The opposite of 789 - Improper fraction
14. Reciprocal of  $\frac{5}{17}$  - -789
15. Area of square - Two lines of symmetry

IV. Say True or False:

5x1=5

16. The sum of any two proper fraction is always is an improper fraction. ( )
17. All negative integers are greater than zero. ( )
18. Order of rotation of a circle is infinite. ( )
19. 'S' has no line of symmetry. ( )
20. -10 and 10 are at equal distance from 0. ( )

**PART - II**

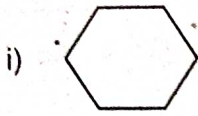
V. Answer any 10 of the following. Q.No.35 is compulsory.

10x2=20

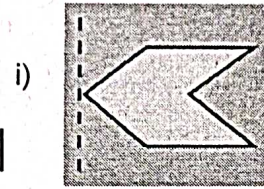
21. Add.  $\frac{2}{3}$  and  $\frac{3}{5}$
22. Divide:  $4\frac{1}{5} \div 3\frac{3}{4}$
23. Convert  $5\frac{3}{7}$  into an improper fraction.
24. Write all the integers between -3 and 3.
25. Find the opposite numbers. i) 44                      ii) 0                      iii) -19                      iv) -312
26. Put the appropriate sign as (<, >, =) in the box.
- i) -111  -111                      ii) -999  -1000

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- 27. Draw a number line 5 units to the left of 3?
- 28. Find the perimeter of the square whose side is 5 cm?
- 29. Find the area of a rectangle of length 12 cm and breadth 7 cm?
- 30. Draw the lines of symmetry for the given regular polygon figure.



31. Complete the other half:



32. Draw the reflection image.

i) P |                      ii) LOOK |

33. Find the HCF of 16 and 28.

34. Maruthu a milk man has 4 bottles of milk each containing  $1\frac{1}{2}$  litres. How milk does he have in all?

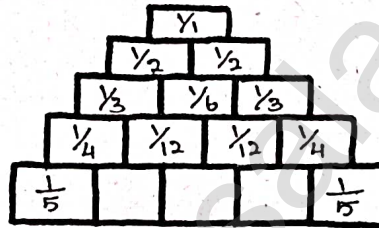
35. Find the side of the equilateral triangle of perimeter 129 cm.

**PART - III**

**VI. Answer any five of the following questions. Q.No. 43 is compulsory. 5x3=15**

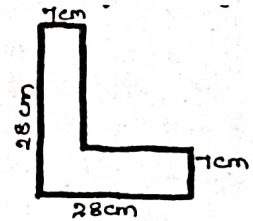
36. Saravana's father bought  $2\frac{3}{4}$  m,  $2\frac{1}{2}$  m and  $1\frac{1}{4}$  m of cloth. Find the total length of the cloth bought by him?

37. Complete the Leibnitz triangle which is based on subtraction.



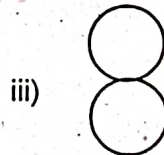
38. Arrange the following integers in ascending and descending order.  
-100, 10, -1000, 100, 0, -1, 1000, 1, -10

39. Find the perimeter and the area of the following shape.



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

41. Find the order of rotation for given figures.



42. Find next three terms.

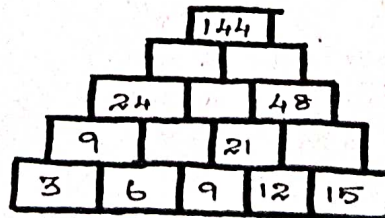
i) 50, 51, 53, 56, 60, \_\_\_\_, \_\_\_\_, \_\_\_\_      ii) 10, 20, 40, 80, \_\_\_\_, \_\_\_\_, \_\_\_\_

43. Mark the numbers 4, -3, 6, -1 and -5 on the number line.

**PART - IV**

**VII. Answer any One of the following.**

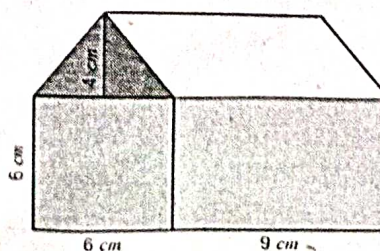
44. a) Complete the following pattern.



**1x5=5**

(OR)

b) Find the total area of the shaded portion.



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