

Tsi6M

Tenkasi District
Summative Assessment - 2024

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DS-04-24

Standard 6

MATHS

Time: 2.00 Hours

Marks: 60

I. Choose the best answer:**10x1=10**

- 1) The difference between $\frac{3}{7}$ and $\frac{2}{9}$ is
 a) $\frac{13}{63}$ b) $\frac{1}{9}$ c) $\frac{1}{7}$ d) $\frac{9}{16}$
- 2) If $\frac{6}{7} = \frac{A}{49}$, then the value of A is
 a) 42 b) 36 c) 25 d) 48
- 3) There are positive integers from -5 to 6.
 a) 5 b) 6 c) 7 d) 11
- 4) 3 units to the left of 1 is
 a) -4 b) -3 c) -2 d) 3
- 5) If every side of a rectangle is doubled, then its area becomes times.
 a) 2 b) 3 c) 4 d) 6
- 6) The side of a square is 10 cm. If its side is tripled, then by how many times will its perimeter increase?
 a) 2 times b) 4 times c) 6 times d) 3 times
- 7) Which of the following letter does not have a line of symmetry?
 a) A b) P c) T d) U
- 8) The order of rotational symmetry of 818 is
 a) 1 b) 2 c) 3 d) 4
- 9) The next term in the sequence 15, 17, 20, 22, 25, is
 a) 28 b) 29 c) 27 d) 26
- 10) If the HCF of 26 and 54 is 2, then HCF of 54 and 28 is
 a) 26 b) 2 c) 54 d) 1

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

- 11) The number which has its own reciprocal is
- 12) -46 is to the left side of -35 on the number line.
- 13) $5\text{cm}^2 = \dots\dots\dots \text{mm}^2$.
- 14) A rhombus has line of symmetry.
- 15) $8\text{Km}^2 = \dots\dots\dots \text{m}^2$.

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

- 16) The sum of any two proper fractions is always an improper fraction. \uparrow
- 17) -1 is to the right of 0. \uparrow
- 18) $18\text{m}^2 = 1,80,000\text{cm}^2$. \uparrow
- 19) A rectangle has four lines of symmetry. \uparrow
- 20) Order of rotation of a circle is infinite. \uparrow

IV. Any 10 questions answer the following:**10x2=20**

- 21) Multiply : $\frac{2}{3} \times 6$
- 22) Divide: $\frac{3}{7} \div 4$
- 23) Simplify: $3\frac{2}{4} + 7\frac{2}{5}$

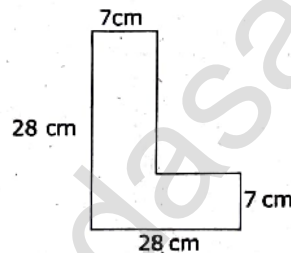
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- 24) Compare : -14 and -11
- 25) Mark the numbers 4, -3, 6, -1 and -5 on the number line.
- 26) Write all the integers between the given numbers.
i) 7 and 10 ii) -5 and 0
- 27) The side of a square is 5 cm. Find its perimeter.
- 28) Find the area of a rectangle of length 12cm and breadth 7 cm.
- 29) Find the area of a right angled triangle whose base is 18cm and height is 12 cm.
- 30) Maruthu, a milkman has 4 bottles of milk and each containing $1\frac{1}{2}$ liters. How much milk does he have in all?
- 31) Put the appropriate sign as $<$, $>$ (or) $=$ in the box.
i) -7 8 ii) -8 -7 iii) 0 -200
- 32) Find the perimeter of a triangle whose sides are 3cm, 4 cm and 5cm

V. Answer the following questions (any 5) :**5x3=15**

- 33) In a juice shop, if a man prepared $1\frac{1}{2}$ litres of juice from 1 kg of Oranges, then how many litres of juice can be prepared from $12\frac{3}{4}$ kg of Oranges?
- 34) Arrange the following integers in ascending order:
 $-15, 0, -7, 12, 3, -5, 1, -20, 25, 18$
- 35) Find the perimeter and the area of the following 'L' shaped figure.



- 36) Four identical square floor mats of side 15cm are joined together to form either a rectangular mat or a square mat. Which mat will have a larger area and a longer perimeter?
- 37) Answer the following integers in descending order.
 $111, -222, 333, -444, 555, -666, 7777, -888$.
- 38) Find the perimeter and the area of a right angled triangle whose sides are 6 feet, 8 feet and 10 feet.
- 39) Find the next three numbers in the following number patterns.
i) 50, 51, 53, 56, 60,
ii) 77, 69, 61, 53,
iii) 10, 20, 40, 80,

VI. Answer the following any one questions :**1x5=5**

- 40) Find the opposite of the following numbers.
i) 44 ii) -19 iii) 0 iv) -312 v) 789

(OR)

Find the perimeter and area of the following shape

