

VNR6M

Virudhunagar District
Summative Assessment - 2025



Standard 6
MATHS

Time: 2.00 Hours

Marks: 60
5×1=5

I. Choose the best answer

- 1) If $\frac{6}{7} = \frac{A}{49}$, then the value of A is
a) 42 b) 36 c) 25 d) 48
- 2) The opposite of 20 units to the left of 0 is
a) 20 b) 0 c) -20 d) 40
- 3) 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
- 4) Which of the following letter does not have a line of symmetry?
a) A b) P c) T d) U
- 5) 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

5×1=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) A rhombus has lines of symmetry
- 9) The next term in the sequences 15, 17, 20, 22, 25 is
- 10) $5\text{cm}^2 = \dots\dots\dots \text{mm}^2$.

III. Match it

5×1=5

- | | |
|--------------------------|---------------------------|
| 11) Area of square | - One line of symmetry |
| 12) Area of rectangle | - $a \times a$ sq.units |
| 13) Parallelogram | - Three lines of symmetry |
| 14) Isosceles triangle | - No line of symmetry |
| 15) Equilateral triangle | - $l \times b$ sq.units |


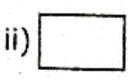
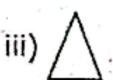
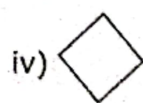
IV. Say True or False

5×1=5

- 16) The mixed fraction of $\frac{13}{4}$ is $3\frac{1}{4}$
- 17) All negative integers are greater than zero
- 18) Order of rotation of a circle is infinite
- 19) Area of a triangle is $\frac{1}{2} \times b \times h$ sq.units
- 20) 0 is the smallest positive integer

V. Answer any 6 questions

6×2=12

- 21) Convert $5\frac{3}{7}$ into an improper fraction.
- 22) Multiply: $8\frac{1}{3} \times 5$
- 23) Draw a number line and mark the integers 6, -5, -1, 4 and -7 on it
- 24) Write all the integers between the given number: -3 and 3
- 25) The side of a square is 5cm, find its perimeter
- 26) Find the area of the rectangle whose length is 6m and breadth in 4m
- 27) Find the order of rotation for the following shapes
 i)  ii)  iii)  iv) 
- 28) Find the next three numbers in the following number patterns
 i) 50, 51, 53, 56, 60 ii) 10, 20, 40, 80

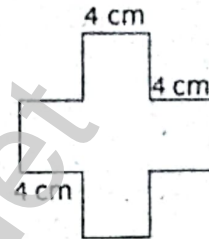
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VI. Answer any 6 questions

6×3=18

- 29) Saravanan'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?
- 30) 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?
- 31) Arrange the following integers in ascending and descending order
-15, 0, -7, 12, 3, -5, 1, -20, 25, 18
- 32) Mark the following numbers on a number line.
i) All integers which are greater than -7 but less than 7
ii) The opposite of 3
- 33) The scalene triangle has 40cm, as its perimeter and whose two sides are 13cm and 15cm, find the third side
- 34) Find the perimeter and area of the following shapes
- 35) What words will you see if a mirror is placed below the words MOM, COM, HIDE and WICK?
- 36) Assign the number for English alphabets as 1 for A, 2 for B, upto 26 for Z. Find the meaning of



7	15	15	4
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13	15	18	14	9	14	7
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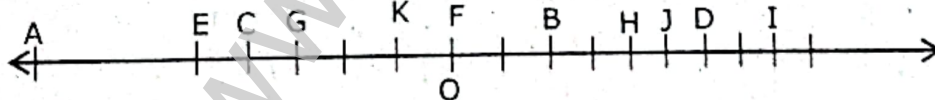
VII. Answer any 2 questions

2×5=10

- 37) Complete the following table

Shape	Equilateral triangle	Square	Regular pentagon	Regular hexagon	Regular octagon
No. of lines of symmetry					
order of rotational symmetry					

- 38) Answer the following questions from the number line given below



- i) Which integer is greater: G or K? why?
- ii) Find the integer that represents C
- iii) How many integers are there between G and H?
- iv) Find the pairs of letters which are opposite of a number
- v) Say True or False. 6 units to the left of D is -6
- 39) Complete the table by using the following instructions
- A: It is the 6th term in the Fibonacci sequence
- B: The predecessor of 2
- C: LCM of 2 and 3
- D: HCF of 6 and 20
- E: The reciprocal of $\frac{1}{5}$
- F: The opposite number of -7
- G: The first composite number
- H: Area of a square of side 3cm
- I: The number of lines of symmetry of an equilateral triangle

A	B	C
D	E	F
G	H	I