

MATHEMATICS

Std - VI

Time: 2 Hrs

Name of the School: _____	Name of the Student: _____
Place: _____	Roll No.: _____

$$5 \times 1 = 5$$

- HCF of 7 and 8 is _____
a) 7 b) 56 c) 1
- 0.05 kg = _____ gm
a) 500 b) 50 c) 5000
- Deca means _____
a) 100 b) 10 c) 1000
- 2400 is divisible by _____
a) 3 b) 6 c) 4
- One angle of a right triangle is always _____
a) 60° b) 90° c) 30°

$$5 \times 1 = 5$$

6. The smallest prime number is _____.
7. If the number is divisible by 5, then the unit place should be _____.
8. $\frac{1}{2}$ kg = _____ gm
9. 1 non leap year = _____ days
10. Sum of the angles in a triangle is _____.

$$5 \times 1 = 5$$

11. HCF of a co-prime is 1. _____
12. $1\text{ m} = 10\text{ mm}$. _____
13. $2\text{ days} = 48\text{ hours}$. _____
14. Equilateral triangles are also an acute triangles. _____
15. In the SI system centimeter is the measure for weight.

IV. Match the following:

5 x 1 = 5

- 16. $N_1 \times N_2$ - 365 days
- 17. 3 km - LCM \times HCF
- 18. 1 year - Anti meridian
- 19. 300 min - 3000 m
- 20. a.m - 5 hrs

V. Answer the following: (Any 10)

10 x 2 = 20

- 21. Check whether the number is divisible by 9. Give reasons for your answer: 358965
- 22. Find the factors of the following number using a factor tree: 384
- 23. Write two common multiples of 2, 4.
- 24. Find LCM of 12, 16 and 24.
- 25. Convert the following:

- a) 7 l = _____ ml
- b) 8235 m = _____ km

- 26. Subtract: 15 kg 300 gm from 75 kg 100 gm
- 27. Convert the seconds into minutes: a) 540 seconds b) 840 seconds
- 28. Draw a rough diagram for each of the following triangles:
 - a) Right isosceles triangle
 - b) Obtuse isosceles triangle
- 29. Draw a tree diagram for the expression: $(4x + 3) \times (3x - 5)$
- 30. After how many hours and minutes does 3:30 become 9:15?
- 31. Draw a tree diagram for $[5 + (6 \div 3)] \times [(2 \div 3) - 7]$

VI. Do the following: (Any 4)

4 x 5 = 20

- 32. a) Check whether the following number is divisible by 4 or not: 9856
 - b) Check whether the following number is divisible by 8 or not: 36496
- 33. Find the HCF of 729, 864 and 945.
- 34. Kanchana buys 2 kgs of potatoes, 3.5 kgs of tomatoes, 1.275 kgs of beans and 5.550 kgs of onions. What is the total weight she bought?
- 35. Two train services X and Y arrive at a station. Train X arrives at the station every 16 minutes whereas train Y arrives every 24 minutes. If the first train arrives at the station at 8:00 a.m., when will both the trains arrive together at the same station again?
- 36. Draw tree diagrams:
 - a) $10x + 9y$
 - b) $6x$