

**CLASS –VI
MATHEMATICS**

1. Write the greatest 6 digit number.
2. Write the successor of greatest 8 digit number & the predecessor of smallest 7 digit number.
3. The capacity of a water tank is 65,000 litres. If 23,099 litres of water is consumed, how much water is left in the tank?
4. A student multiplied 7865 by 59 instead of 95. How much was the answer lesser than the correct answer?
5. In 2005, a factory produced 8,34,16,205 CFL bulbs. In 2006, it produced 3,52,643 bulbs less than that in 2005. How many CFL bulbs were produced in 2006?
6. A truck carries 198 boxes. Each of these boxes contains 95 smaller package. Each of these smaller package contains 20 toys. How many toys are being carried in the truck?
7. Write in roman numeral.
a)39 b)175 c)287 d) 295 e)348
f) 576 g)659 h) 894 i)999 j)1234

8. A man filled 45 litres of diesel in his truck on first day. The next day, he filled 56 litres of diesel. the diesel costs Rs. 68 per litre, how much did he spend in all on diesel?

9. Simplify:

- a) $3125 \div 25 + 8 \{(70 + 55) 6 \times 4 + 530\}$
- b) $82645 - 3[2\{(35 + 65) 3 - 2(72 - 22)\} - 30]$

10. Insert the commas suitably and write the number name of the following numbers using International system of numeration.

- a) 97585762 b) 58001234 c) 800800888

11. Fill in the blanks:

- a) 8km = _____cm b) 9kg = _____mg
c) 89L = _____ml d) 8kl = _____L
e) 1 hg = _____g

13. Fill ups:

- a) The sum of smallest whole number and smallest natural number is _____.
- b) The difference between the greatest and the smallest four digit number is _____.
- c) The difference between largest number of 4-digits and the largest number of 4-digit with different digits is _____

14. Complete the table

- a) 1 million = _____ thousand
- b) 1 lakh = _____ ten thousand

- c) 1 crore = _____ lakh
- d) 10 crore = _____ ten thousand
- e) 20 lakh = _____ million
- f) 10 million = _____ crore

15. Match the following:

- | | |
|--------------|---------|
| a) XCIX + LX | i) 44 |
| b) XCXI – LI | ii) 59 |
| c) XXIX + XV | iii) 50 |
| d) CLIX – C | iv) 159 |

16. Find the difference between the greatest and the smallest numbers each of which on rounding of gives 5400.

17. Write all 4-digit numbers that can be formed with the digits 6 and 9 using both digits equal number of times. Also find their sum & difference.

18. Match the columns:

- | | |
|--|------------------------------|
| a) $100 \times (56 + 16) = (100 \times 56) + 1600$ | i) Distributive property |
| b) 1 | ii) Additive identity |
| c) 0 | iii) Multiplicative identity |
| d) $45 \times (10 + 5) = 45 \times 10 + 15 \times 5$ | iv) Associative property |

19. Divide & check the answer.

- a) $65289 \div 352$ b) $1110111 \div 101$ c) $9899775 \div 536$

20. Using properties of multiplication, find the value of

- a) $653 \times 999 + 653$ b) $173 \times 125 - 25 \times 173$ c) $256 \times 49 + 256 \times 36 + 15 \times 256$ d) 934×96

21. The product of a non-zero whole number and its successor is always

- a) An even number
- b) An odd number
- c) A prime number
- d) divisible by 6

22. I am a four-digit number. I have one in the thousands place and a two in my hundreds place. I am a palindrome. What number am I?

23. How many 3-digit whole numbers are there between 72 and 407.

24. Express each of the following in Hindi-Arabic numerals:

- a) XXXIV b) LXXVII c) CCXXIV d) CDXVI

25. The greatest whole number is:

- a) 1 billion
- b) 10 crore
- c) 10 lakh
- d) None of the

26. Write each of the following in expanded form:

a) $5,35,23,981$ b) $34,49,28,876$

27. Find the products using suitable rearrangements:

a) $250 \times 35 \times 40$ b) $25 \times 451 \times 4$ c) $625 \times 279 \times 16$

28. Observe the following pattern and fill in the blanks:

a) $1 \times 9 + 1 = 10$

$12 \times 9 + 2 = 110$

$123 \times 9 + 3 = 1110$

$1234 \times 9 + 4 = \underline{\hspace{2cm}}$

$12345 \times 9 + 5 = \underline{\hspace{2cm}}.$

b) $1 \times 1 = 1$

$11 \times 11 = 121$

$111 \times 111 = 12321$

$1111 \times 1111 = \underline{\hspace{2cm}}$

$11111 \times 11111 = \underline{\hspace{2cm}}.$

29. Write true or false:

a) Every whole number is not a natural number.

b) Whole numbers are closed under subtraction.

c) Subtraction of whole number is commutative.

d) In the roman numeral system, the symbol VC represents the number 95.

30. Find using distributive property:

a) 597×109

b) 8753×1001

c) 2948×98