

Class VI: Mathematics

- 1.** Name the digit whose place value is always equal to face value irrespective of its position in any number?
- 2.** Form the largest and the smallest 5-digit numbers using 3,2,1,0,9 only once.
- 3.** A student multiplied 5327 by 73 instead of 37. How much was the answer greater than the correct answer?
- 4.** 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?
- 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.** Write:
 - a) The successor of 99,99,999
 - b) The predecessor of 1,00,000
- 7.** A truck carries 75 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?
- 8.** A man filled 30 litres of diesel in his truck on first day. The next day, he filled 55 litres of diesel. If the diesel costs Rs. 43 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
- 11.** Fill in the blanks:
 - a) 6km = _____ cm
 - b) 9kg = _____ mg
 - c) 54L = _____ ml
 - d) 8kl = _____ L
 - e) 1 hg = _____ g
- 12.** Write the following in roman numerals:
 - a) 99
 - b) 139
 - c) 526
 - d) 794
 - e) 502
 - f) 2743
- 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 3-digits and the largest number of 3-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 2 and 5 using both digits equal number of times. Also find their sum.

18. Match the columns:

a) $100 \times (24 + 16) = (100 \times 24) + 100 \times 16$

i) Distributive property

b) 1

ii) Additive identity

c) 0

iii) Multiplicative identity

d) $15 \times (10 + 5) = 15 \times 10 + 15 \times 5$

iv) Associative property

19. Find the quotient and remainder:

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 5

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) XVII

b) XXIV

c) CLXXX

d) XLIV

25. The greatest whole number is:

a) 1 billion

b) 10 crore

c) 10 lakh

d) None of these

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) Every natural number is not a whole number.
- 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) 432×101
- b) 8753×1001
- c) 2948×125