

CLASS - VI

- 1) The difference between the place values of 6 and 3 in 256839 is _____
1) 3 2) 9 3) 6800 4) 5970
- 2) The product of the place values of two threes in 53432 is _____
1) 9000 2) 90000 3) 10000 4) 99000
- 3) If ab is prime then ba is also a prime. How many such prime pairs are there below 100
1) 6 2) 3 3) 4 4) 5
- 4) The total number of 4 digit numbers is _____
1) 8999 2) 9000 3) 8000 4) 9999
- 5) Which of the following numbers is equal to 1 billion ?
1) 10lakh 2) 1 crore 3) 10 crore 4) 100 crore
- 6) Which of the following are not twin primes
1) 3, 5 2) 5, 7 3) 11, 13 4) 17, 23
- 7) Eratosthenes belong to
1) Europe 2) Greek 3) French 4) Scotland
- 8) Which of the following number is divisible by 9 ?
1) 9076185 2) 92106345 3) 10349576 4) 95103476
- 9) Which one of the following numbers is exactly divisible by 11 ?
1) 235641 2) 245642 3) 315624 4) 415624
- 10) The sum of the prime numbers between 60 and 75 is
1) 199 2) 201 3) 211 4) 272
- 11) If the HCF of two numbers is 16 and their product is 3072, then their LCM is
1) 182 2) 192 3) 12 4) None
- 12) If x and y are two-coprimes, then their LCM is
1) xy 2) x+y 3) $\frac{x}{y}$ 4) 1

- 13) The least number divisible by 15, 20, 24, 32 and 36 is
1) 1440 2) 1660 3) 2880 4) None
- 14) The ratio of two numbers are 3 : 4 and their HCF is 4, Their LCM is
1) 12 2) 16 3) 24 4) 48
- 15) Every counting number has an infinite number of
1) Factors 2) Multiples 3) Prime factors 4) None
- 16) If a number $2345a60b$ is exactly divisible by 3 and 5, then the maximum value of $a+b$ is _____
1) 12 2) 5 3) 14 4) 1
- 17) In a dice, a face has five dots, Number of dots in its opposite side :
1) 1 2) 2 3) 3 4) 4
- 18) If two numbers are equal, then truth statement is
1) Their LCM is equal to their HCF
2) Their LCM is less than their HCF
3) Their LCM is equal to two times their HCF
4) None
- 19) If a and b are two coprimes, which of the following is/are true
1) $\text{LCM}(a, b) = a \times b$ 2) $\text{HCF}(a, b) = 1$
3) Both 1 and 2 4) Neither 1 nor 2
- 20) Now it is 7:30 AM. Time shown in 24hour clock after 9 hrs 40 min:
1) 5-10 pm 2) 5-10 am 3) 16-10 am 4) 17-10 pm
- 21) Which of the following is not zero
1) 0×0 2) $\frac{0}{2}$ 3) $\frac{6-6}{2}$ 4) $4 \div 0$
- 22) If x is greater than 2, then $|2-x| =$ _____
1) $2-x$ 2) $x-2$ 3) $2+x$ 4) $-x-2$
- 23) If x is a negative integer, then
1) $x+|x|=0$ 2) $x-|x|=0$ 3) $x+|x|=2x$ 4) $x+|x|=-2x$

24) If $\triangle$ is an operation on integers such that $a \triangle b = a - b - 2$, for all integers a, b . Then $7 \triangle (-4)$ is

1) 11

2) -9

3) 9

4) 1

25) $(-12) \times (-9) - 6 \times (-8)$ is equal to

1) 156

2) 60

3) -156

4) -60

26)  ABCD are four places on a road. AD=70km, BD=50km. C is the mid point of BD then AC= _____ km

1) 25

2) 20

3) 35

4) 45

27) If $\frac{5}{12}$ is equivalent to $\frac{x}{3}$, then $x =$ _____

1) $\frac{5}{4}$ 2) $\frac{4}{5}$ 3) $\frac{5}{3}$ 4) $\frac{3}{5}$

28) In a particular case : if $+, -, \times, \div$ are changed as $\times, \div, +, -$ then value of

$$[(15 + 5) \times (12 - 3)] \div (81 - 9)$$

1) $\frac{79}{9}$ 2) $\frac{29}{72}$

3) 70

4) -2

29) $2\frac{1}{3} + 1\frac{3}{4}$ is equal to

1) $\frac{7}{14}$ 2) $\frac{12}{49}$

3) 1

4) None

30) If $\frac{1}{3} + \frac{1}{2} + \frac{1}{x} = 4$, then $x =$ _____

1) $\frac{5}{18}$ 2) $\frac{6}{19}$ 3) $\frac{18}{5}$ 4) $\frac{24}{11}$

31) What is the value of $\frac{a+b}{a-b}$ if $\frac{a}{b} = 4$?

1) $\frac{3}{5}$ 2) $\frac{5}{3}$ 3) $\frac{4}{5}$ 4) $\frac{5}{4}$

32) At present father's age is three times his son's age. After 5 years father's age will be $2\frac{1}{2}$ times of his son's age. Now son's age isyears

1) 18

2) 10

3) 20

4) 15

33) 111111111 =

- 1) 123456789×9 2) 12345679×9
 3) 12345689×9 4) 12345789×9

34) The period of Euclid :

- 1) 306-283 BC 2) 1550-1617 AD
 3) 475-550 AD 4) 287-212 BC

35) The correct fraction in the box in $\square - \frac{5}{8} = \frac{1}{4}$ is

- 1) $\frac{6}{8}$ 2) $\frac{7}{8}$ 3) $\frac{1}{2}$ 4) None

36) A gas pipe is an example of a

- 1) Cone 2) Cylinder 3) Cube 4) Sphere

37) Which one the following is an example of a cube ?

- 1) A dice 2) A foot ball
 3) A gas pipe 4) A cone ice-cream

38) Number of vertices of a cuboid is

- 1) 4 2) 6 3) 8 4) 10

39) The number of lines of symmetry of a kite is

- 1) 0 2) 1 3) 2 4) 3

40) The number of lines of symmetry of an n-sided regular polygon is

- 1) n 2) 2n 3) $\frac{n}{2}$ 4) None

41) Ravish took exercise for $\frac{3}{6}$ of an hour, while Rohit took exercise $\frac{3}{4}$ of an hour.
 who exercised for longer time ?

- 1) Ravish 2) Rohit 3) Data insufficient 4) None

42) The set of books “The Elements” were written by

- 1) Goldbach 2) John Napier 3) Euclid 4) Brahma Gupta

43) Odd one among the following four

- 1) 71 2) 31 3) 41 4) 91

- 44) The value of $1735 \times 1232 - 1735 \times 232$
 1) 17350 2) 173500 3) 1735000 4) 173505
- 45) If 'n' is even natural number, then the product of its successor and predecessor
 1) Is an even natural number 2) Is an odd natural number
 3) Can be even or odd 4) None
- 46) The number of whole numbers between the smallest whole number and the greatest three digit number is
 1) 1000 2) 999 3) 998 4) None
- 47) The greatest number which divides 134 and 167 leaving 2 as remainder in each case
 1) 14 2) 19 3) 33 4) 17
- 48) The GCD of two numbers is 17 and their LCM is 765. How many pairs of values can the numbers assume ?
 1) 1 2) 2 3) 3 4) 4
- 49) Three numbers are in the ratio 1:2:3 and their HCF is 6, the numbers are
 1) 4, 8, 12 2) 5, 10, 15 3) 6, 12, 18 4) 10, 20, 30
- 50) How many times does the digit 9 occur between 1 and 100 ?
 1) 11 2) 15 3) 18 4) 20
- 51) The greatest and least numbers among the following :4536, 4892, 4570, 4852
 1) 4892, 4536 2) 4892, 4570 3) 4852, 4892 4) 4536, 4892
- 52) Odd one among the transport system
 1) Monorail 2) Train 3) Car 4) Tram
- 53) Match the following
- | <u>Game</u> | <u>Name of the ground</u> |
|-------------|---------------------------|
| a) Football | p) Field |
| b) Baseball | q) Court |
| c) Tennis | r) Pitch |
| d) Golf | s) Course |
- truth statements are :
- | | |
|---|---|
| 1) $a \rightarrow r, b \rightarrow q, c \rightarrow s, d \rightarrow p$ | 2) $a \rightarrow s, b \rightarrow p, c \rightarrow q, d \rightarrow r$ |
| 3) $a \rightarrow s, b \rightarrow p, c \rightarrow r, d \rightarrow q$ | 4) $a \rightarrow r, b \rightarrow p, c \rightarrow q, d \rightarrow s$ |

- 54) Next number in the series 1, 5, 11, 19, 28, 38,
1) 52 2) 50 3) 54 4) 46
- 55) In a special manner : if BEAT $\rightarrow$ AFZU; TRAIN $\rightarrow$ SSZJM then CODE $\rightarrow$
1) BNCD 2) DNED 3) DPEF 4) BPCF
- 56) The number which is divisible by 3 but not by 9
1) 7263 2) 6897 3) 3864 4) 1848
- 57) The largest planet in the solar system
1) Mars 2) Neptune 3) Jupiter 4) Earth
- 58) In the following pair which are not coprimes :
1) 12, 16 2) 7, 17 3) 9, 14 4) 3, 8
- 59) What is an abacus ?
1) Musical Instrument 2) Printing Instrument
3) Counting Instrument 4) Measuring Instrument
- 60) Next two numbers in the series: 45, 53, 51, 59, 57, 65, 63,.....,.....
1) 71, 69 2) 69, 71 3) 70, 68 4) 68, 70

