CLASS VI

1) The product of two numbers is 48. Their sum is 19. What are the numbers .....

1) 24,2 2) 16,3 3) 8,6 4) 12,4

2) The numbers between 1 and 100 having exactly 3 factors.....

1) 6,9,25,49 2) 6,25,49,64 3) 4,9,25,49 4) 6,10,12,15

3) Which of the following number is prime.

1) 179 2) 117 3) 121 4) 153

4) The H.C.F of 144, 180 and 192 is....

1) 12 2) 24 3) 36 4) 48

5) The largest number which divides 245 and 1029 having remainder 5 in each case.

1) 16 2) 8 3) 22 4) 4

6) What is the smallest number that when divided by 35, 56 and 91 leaves remainder of 7 in each case.

1) 3674 2) 3764 3) 3647 4) 3746

7) If x and y are two co - primes , then their L.C.M is.....

1) xy 2) x + y 3) x/y 4) 1

8) Three numbers are in the ratio 1 : 2 : 3 and their H C F is 6. The numbers are.....

1) 4,8,12 2) 5,10,15 3) 6,12,18 4) 10,20,30

9) How many whole numbers are there between 32 and 53.

1) 21 2) 20 3) 19 4) None

10) The product of the successer and predecesser of 99 is .....

1) 9900 2) 9800 3) 1099 4) 9700

11) If two numbers are equal, then their LCM ____their HCF

1) = 2) < 3) > 4) 2 times

12) What should be added to 18 to get -34

1) 52 2) -52 3) -16 4) 16

13) Simplify : 9 x (-16) + (-17) x (-16)

1) 126 2) 127 3) 128 4) 129

14) If x = -23 + 22 -23 + 22.....(40 terms)

y = 11 + (-10) + 11 + (-10) .....(20 terms) then find y - x .

1) 41 2) 40 3) 42 4) 39

15) If Δ is an operation on integers such that a Δ b = a - b - (-5) for all integers a , b . find the value of 2 Δ 5 .

1) -2 2) 2 3) 0 4) 5

16) The largest perfect negative integer is ....

1) -10 2) -1 3) -9 4) 0

17) What fraction of a day is 8 hours.

1) 2 / 3 2) 1 / 2 3) 1 / 3 4) 1 / 4

18) Simplify : $4\frac{2}{3} + \frac{1}{3} - 4\frac{1}{3}$

1) 1 / 3 2) 2 3) 2 / 3 4) 7 / 3

19) *If* $\frac{1}{2} + \frac{1}{x} = 2$ *then* $x =$ .....

1) 2 / 5 2) 5 / 2 3) 3 / 2 4) 2 / 3

20) The value of $2\frac{1}{25}$ =

1) 2.4 2) 2.25 3) 2.04 4) 2.40

21) $2 + \frac{3}{10} + \frac{5}{100}$ = ...

1) 2.305 2) 23.5 3) 2.35 4) 0.235

22) 0.35 - 0.035 is equal to .....

1) 0.3 2) 0.349 3) 0.315 4) 0.353

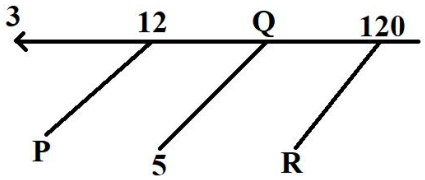
23) Next number in the series 0, 6, 24, 60, 120, ...is

1) 240 2) 180 3) 210 4) 310

24) In a code language CAT → 24 , BOX → 41 then ZIP →

1) 49 2) 53 3) 47 4) 51

25) In the factor tree (Shown in the figure) values of P, Q, R in the same order



1) 2,4,60 2) 4,2,60

3) 4,60,2 4) 60,2,4

26) The truth statement in the following.

A) All primes are odd B) All composite numbers are even

1) A 2) B 3) Neither A nor B 4) A and B

27) In the given 3 x 3 magic square with constant 24 the values of x, y, z in the same order

9	z	
	x	12
y	6	

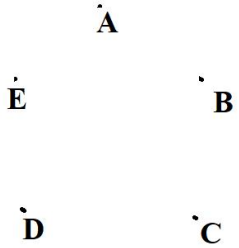
1) 8,11,10 2) 11,8,10

3) 8,7,4 4) 8,7,10

28) A, B, C, D are four places on one road in the same order. Distance AC = 6 Kms, BD = 9 Kms and BC = $\frac{1}{4}$ AD. Distance BC = ...Km

1) 2 2) 3 3) 4 4) 1

29) Number of line segments drawn through given five points.



1) 5 2) 7

3) 10 4) 8

30) Next two numbers in the series 1, 2, 6, 15, 31, ... , ...

1) 45,62 2) 55,91 3) 56, 92 4) 45, 56

31) A number is divisible by both 5 and 12. By which other number will that number be always divisible.

1) 60 2) 120 3) 72 4) 80

32) The smallest number having four different prime factors.

1) 100 2) 190 3) 205 4) 210

33) The HCF of 150, 140, 210 is _____

1) 12 2) 6 3) 10 4) 20

34) The largest number that will divide 381, 436 and 542 leaving remainders 7, 11, 15 respectively.

1) 34 2) 51 3) 17 4) 6

35) The smallest number which leaves remainders 8 and 12 when divided by 28 and 32 respectively.

1) 200 2) 204 3) 206 4) 208

36) The total number of even primes

1) 1 2) 0 3) 2 4) unlimited

37) The HCF of an even number and an odd number

1) 1 2) 2 3) 0 4) None

38) The product of any natural number and the smallest prime is .....number

1) an even 2) an odd 3) a prime 4) None

39) Which of the following pairs of integers have 9 as a difference

1) 19, 10 2) -19, -10 3) 19, -10 4) 1 and 2

40) 5 + (-5) + 5 + (-5) +.....20th term is ....

1) 0 2) 5 3) -5 4) 10

41) The smallest positive integer is

1) 0 2) 9 3) 1 4) 100

42) The teacher taught 3 / 5 of the book. Vivek revised 1 / 5 more on his own. How much does he still have to revise.

1) 2 / 5 2) 4 / 5 3) 1 / 5 4) 2 / 3

43) The sum $\frac{5}{9} + 6 + 1\frac{5}{7} =$ .....

1) $17\frac{8}{63}$ 2) $8\frac{17}{63}$ 3) $9\frac{17}{63}$ 4) None

44) Which of the following is a fraction equivalent to 2 / 3 ?

1) $\frac{4}{5}$ 2) $\frac{8}{6}$ 3) $\frac{10}{25}$ 4) $\frac{10}{15}$

45) 15 liters and 15 ml is equal to .....liters

1) 15.15 2) 15.1505 3) 15.0015 4) 15.015

46) Convert $2\frac{9}{40}$ into a decimal fraction

1) 2.225 2) 22.25 3) 2.525 4) 222.5

47) Perimeter of a square and rectangle are equal. Side of the square is 6 cm. Then number of possible measurements of rectangle satisfying the given condition:

1) 5 2) 4 3) 6 4) 3

48) Zero has no place in this system

1) Natural numbers 2) Whole numbers

3) Roman numbers 4) Integers

49) In the given number 97404531, the digits which have same place value and face value

1) 0, 1 2) 0, 5 3) 2, 3 4) 2, 1

50) A Student's routine work is as follows: He attends school for 4hr35min, tution for 2hr25min, homework 2hr45min. total time he alloted for studies

1) 9hr05min 2) 9hr45min 3) 8hr105min 4) 9hr35min

51) A robo can walk 6m forward and 3m backward in a jump. No.of jumps required to reach a distance of 30m

1) 9 2) 10 3) 5 4) 6

52) A boy saves 4.65 rupess daily. The least number of days in which he will be able to save exact number of rupees.

1) 10 2) 20 3) 30 4) 15

53) Which of the following are not twin primes

1) 3, 5 2) 5, 7 3) 11, 13 4) 17,23

54) The HCF of two numbers is 16 and their product is 3072. Their LCM is.....

1) 190 2) 192 3) 194 4) 198

55) The HCF of two numbers is 145, their LCM is 2175. If one number is 725 then the other number is .....

1) 435 2) 430 3) 445 4) 455

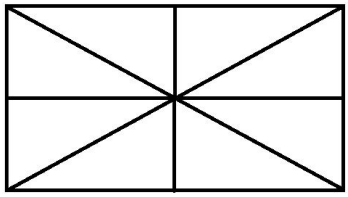
56) If a is an integer greater than 7 , then $|7 - a|$ = ...

1) 7 - a 2) a - 7 3) 7 + a 4) -7-a

57) Three players A, B, C take time to go round a stadium in 20 minutes, 25 minutes, 30 minutes respectively. If all the three started at a point at 5 A.M, at what time do they meet at the same point again.

1) 10.30 A.M 2) 10 A.M 3) 9 A.M 4) 9.30 A.M

58) Number of triangles in the given figure



1) 12 2) 14

3) 18 4) 16

59) In a particular fassion : BEST → CDTS ; DUMP → ETNO then LONG → ...

1) MPOF 2) MNOH 3) MNOF 4) KNMF

60) In a code language 5 x 12 = 17 ; 21 ÷ 3 = 18, 6 + 8 = 48 ; 9 - 3 = 3 then

[(12 + 6) ÷ (2 x 7)] - 9 = ...

1) 7 2) -7 3) -5 4) 9