CLASS - VII

1) An elevator started on the 5th floor. It went up 3 floors, down 6 floors, up 9 floors, up 3 floors, down 2 floors and down 3 floors. On which floor did the elevator finally stop.

1) 5thfloor 2) 9thfloor 3) Ground floor 4) 8th floor

2) Divide $\frac{3}{10}$ by $\left(\frac{1}{4} \text{ of } \frac{3}{5}\right)$

1) 1 2) 2 3) $\frac{9}{200}$ 4) 0

3) Mother divided the money among Ram, Shyam and Sita in the ratio 3 : 2 : 5. If Sita got Rs.150 then the ratio of the total amount and money recived by Ram and Shyam is ...

1) 2 : 1 2) 2 : 3 3) 3 : 2 4) 3 : 5

4) The length of a rectangle is twice its breadth; its perimeter is 60cm, then its area

1) 120sq.cm 2) 200 sq.cm 3) 210sq.m 4) 180sq.m

5) Ramesh scored marks 97, 73 and 88 in three examinations, if he scored 80 marks in the fourth examination then his average score will be ...

1) Increased by 1 2) increased by 1.5
3) decreased by 1 4) decreased by 1.5

6) Statements a and b are given below :

a : If two lines intersect then the vertically opposite angles are equal

b : If a transversal interectes, two other lines, then the sum of two interior angles on the same side is 90^0

1) Both a and b are true 2) a is true b is flase
3) a is false and b is true 4) both a and b are false

7) If one of the angles of a triangle is 128^0, then the angle between bisectors of other two angles is .....

1) 144^0 2) 154^0 3) 52^0 4) 104^0

8) Think of any whole number, double it and add five, double this answer and add two. Now take away the number you first thought of, your answer will always be

1) Even 2) odd 3) multiple of 3 4) multiple of 5

9) On a number line from -12 to +12, which integer is halfway between -7 and +1 ..
1) 0 2) -3 3) -5 4) -4

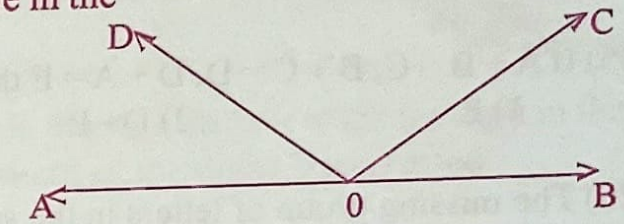
10) The ascending order of $\frac{2}{3}$, $\frac{6}{7}$ and $\frac{13}{21}$ is .....
1) $\frac{6}{7}, \frac{2}{3}, \frac{13}{21}$ 2) $\frac{13}{21}, \frac{2}{3}, \frac{6}{7}$ 3) $\frac{6}{7}, \frac{13}{21}, \frac{2}{3}$ 4) $\frac{2}{3}, \frac{6}{7}, \frac{13}{21}$

11) If $x : y = 1:2$ then $(2x+3y):(x+4y) =$ .....
1) 4 : 9 2) 8 : 9 3) 9 : 8 4) 9 : 4

12) Seven times a number is 12 less than thirteen times of the same number, then the number is .....
1) 1 2) 2 3) 3 4) 5

13) The mean of 5 numbers is 27. If one of the numbers excluded, the mean gets reduced by 2. What is the exculed number?
1) 35 2) 27 3) 25 4) 40

14) $\angle BOC$ is a right angle. $\angle AOB$ and $\angle COD$ are in the ratio 1 : 5. Then $\angle DOB - \angle AOC =$
1) 15^0 2) 75^0
3) 60^0 4) 165^0



15) If an angle is 60^0 less than twice of its supplement. Then the greater angle is .....
1) 60^0 2) 80^0 3) 100^0 4) 120^0

16) A sum of Rs.312 was divided among 60 boys and some girls in such a way that each boy get Rs.3.60 and each girl Rs.2.40. The number of girls is ....
1) 35 2) 40 3) 60 4) 65

17) When 0.02964 is divided by 0.004 the quotient is.....
1) 7.14 2) 7.41 3) 7.4 4) 7.51

18) Number of all possible proportions from the numbers 8, 12, 20 and 30 is ....
1) 2 2) 3 3) 4 4) 5

19) Angles which are both supplementary and vertically opposite are .....
1) $95^0, 85^0$ 2) $90^0, 90^0$ 3) $100^0, 80^0$ 4) $135^0, 45^0$

20) There are some ducks at a pond. Half of them are swimming in the pond, one thrid are eating on the bank; and the remaining four are sleeping. Number of ducks in the pond.

1) 15 2) 36 3) 12 4) 24

21) Simplify : $a - [b + \{c - (a - b + c)\}] =$

1) $2(a - b)$ 2) $2(a + c)$ 3) $2(a - b + c)$ 4) $2a - 2b + c$

22) If $\frac{a}{b} = \frac{2^x}{4^y}$ where $x = 2y = 8$ then the equivalent rational number to $\left(\frac{a}{b}\right)^{100}$ is .....

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

23) The largest of the four numbers given below is

1) $3.\overline{1416}$ 2) $3.1\overline{416}$ 3) $3.14\overline{16}$ 4) 3.1416

24) The number of ways in which 100 can be written as the sum of two prime numbers is _____

1) 4 2) 6 3) 5 4) 7

25) If $A + B = C, B + C = D, D + A = E$ then $A + B + C$ is

1) E 2) D+ E 3) E - D 4) B - D + C

26) The missing group of letters in the series: ABB _ _ _ BAAB

1) ABB 2) BAB 3) AAB 4) ABA

27) A boy divided a certain number by 75 instead of 72 and got both quotient and remainder to be 72. What should be the quotient and reminder respectively if it is divided by 72 ___, ____

1) 72, 4 2) 76, 0 3) 72, 0 4) 74, 4

28) In triangle ABC the angles are in the ratio 3 : 4 : 5 in the same order. The exterior angle formed when BC is extended

1) 135^0 2) 105^0 3) 120^0 4) 115^0

29) Rani has $6\frac{1}{4}$ kg. of cotton wool for making pillows. If one pillow takes $1\frac{1}{4}$ kg, how many pillows can she make

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

30) The ratio of two numbers is 9 : 5. If 9 is added to the grater number and 5 is substracted from smaller number the grater number becomes thrice the smaller one. Then the numbers are ....

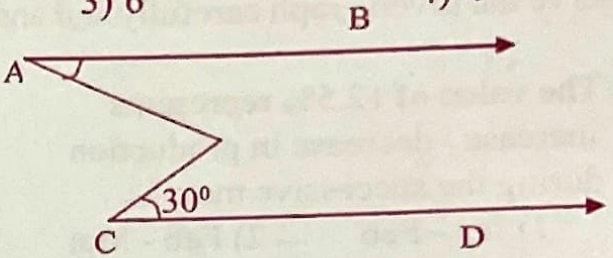
1) 72, 40 2) 18, 10 3) 36, 20 4) 45, 25

31) In a code language, 1 indicate 3, 3indicate 5, 4 indicate 4 then 8 indicate_____

1) 8 2) 5 3) 6 4) 4

32) From the adjecent figure

$AB \parallel CD$ then Ext. $\angle AOC$



1) 90^0 2) 180^0

3) 270^0 4) 360^0

33) If the ratios 2 : 3, 3: 4, 5 : 6 and 1: 5 respresent a, b, c, d respectively, then the descending order ...

1) a, b, c, d 2) c, b, a, d 3) c, a, d, b 4) b, a, d, c

34) The present age of a son is half the present age of his father. 10 years ago the father was thrice as old as his son. what is the difference of their present ages?

1) 10 2) 20 3) 30 4) 40s

35) A number consists two digits. The digit in the tens place is twice the digit in the unit place. If 18 be subtracted from the number, the digits are reversed. The number is .....

1) 24 2) 63 3) 42 4) 84

36) The two sides of a triangle are respectively 6cm and 14cm. Then the thrid side..

1) is less than 20 2) is greater than 8 3) 1 and 2 4) 1 or 2

37) Sum of the interior angles of a Hexgon;

1) 8×90^0 2) 6×90^0 3) 6×60^0 4) 6×180^0

38) A purchased T.V. for Rs.8000/-. He sold to B with 10% profit. B sold it to C for 10% loss, then cost price of T.V. by C, Rs...

1) 8000 2) 7200 3) 8800 4) 7920

39) What should be added to the ratio 5 : 11 so that the ratio becomes 3 : 4 .....

1) 11 2) 12 3) 13 4) 15

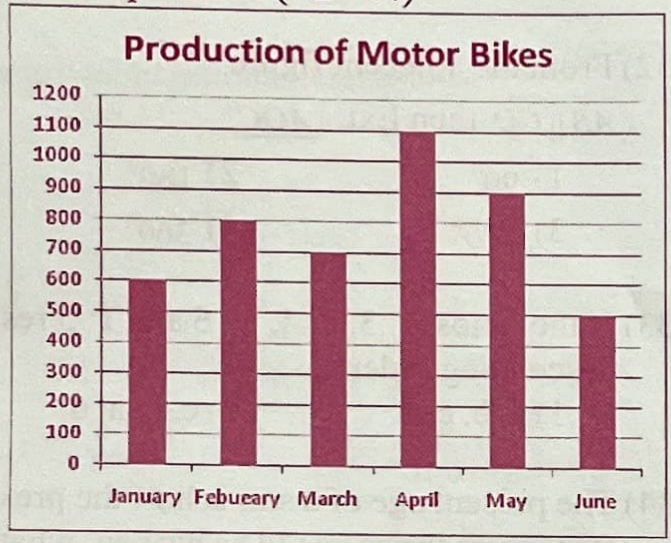
40) We can get Ramanujan Number from :

1) $7\times17\times11$ 2) $7\times13\times19$ 3) $7\times23\times9$ 4) $7\times19\times3$

41) Wrong number in the series; 1, 2, 6, 15, 31, 57, 92

1) 31 2) 92 3) 15 4) 57

Observe the given graph carefully and answer the questions (42 - 44)



42) The value of 12.5% represents increase / decrease in production during the successive months

1) Jan - Feb 2) Feb - Mar
3) Apr - May 4) May - June

43) The percentage of increases/decrease approximately 45 during the priod :

1) Jan - Feb 2) Feb - Mar
3) Mar - April 4) May - June

44) The percentage of increase in production during March - April is about....

1) 55 2) 54 3) 57 4) 62

45) Logarithams and decimal fractions were introduced by

1) Newton 2) Pascal 3) John Napier 4) Archimedis

46) If $a+\dfrac{1}{b+\dfrac{1}{c}}=\dfrac{27}{4}$ then $(a+b-c)^2=$

1) 100 2) 16 3) 64 4) 4

47) A. a (b + c) = ab + ac P. Associative
B. a + (b + c) = (a + b) + c Q. Distributive
R. Commutative

correct answer in matching is

1) $A\to P,\ B\to Q$ 2) $A\to Q, B\to P$
3) $A\to R, B\to Q$ 4) $A\to P, B\to R$

48) A dealer fixed marked price 25% above its cost price. He gave a rebate 12% on it. His profit precent is

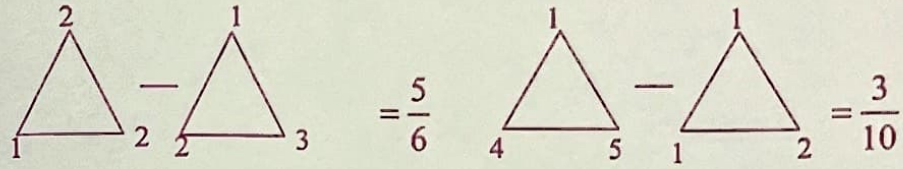
1) 13% 2) 10% 3) 37% 4) 8%

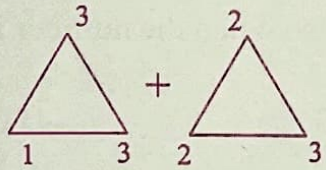
49) An insect crawls upper 5cm for every second on a 60cm vertical rod and then falls down 2cm over the next second. How many seconds will it take to climb the rod... sec

1) 20 2) 40 3) 60 4) 30

50) The difference of sum of even numbers and sum of odd numbers between 10 and 20 is .....

1) 3 2) 6 3) 15 4) 14

51) 

then 

1) 5 2) $1\frac{1}{3}$ 3) 6 4) $3\frac{1}{3}$

52) Some equidistent points on a number line are respectively represented by the letters A, B,C,D.....,S. If A = -20 and S = 16 then the value (-8) is repesented by the letter :

1) I 2) G 3) H 4) K

53) At what rate of simple intrest principal becomes double in 8 years 4 months

1) 10% 2) 16% 3) 12% 4) 6%

54) Varun spend day as follows : He sleeps 9hrs, plays 2hrs, studies 10 hrs, entertinement 2hrs, and preparation 1hr. the angle of the sector showing study period in the pie diagram:

1) 150^0 2) 75^0 3) 120^0 4) 135^0

55) The sum of the digits of a four digit number is 3. The difference between the biggest and the smallest of the number is .....

1) 1998 2) 1989 3) 1899 4) 1809

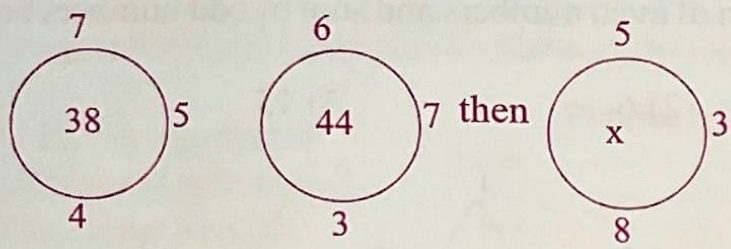
56) What decimal of an hour is a second :

1) 0.0025 2) 0.0256 3) 0.00027 4) 0.00036

57) X is a seven digit number. Y is an eight digit number 5 more than X. The number of possible values of Y is.

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

58) Observe the pattern. The value of x is .....



1) 34 2) 22 3) 32 4) 24

59) The digit which divides the number123456 and also when the number is written in reverse order :

1) 2 2) 7 3) 3 4) 6

60) If FOX = ULC and ANT = ZMG then CAR=

1) XZJ 2) XZI 3) ZYB 4) UNI