

01) Find the odd one : 396, 462, 572, 427, 671, 264

a.396 b. 427 c.671 d.264

02) Find the remainder when (888.....repeat 63 times) is divisible by

a.4 b.8 c. 0 d.1

03) If Anita scores 66 out of hundred then how much does she score out of 75?

a. 50 b.60 c.66 d.45

04) Which of the following must be added to 3651 so that it can be divisible by 21?

a.1 b.2 c. 3 d.4

05) A number when divided by the sum of 625 and 515 gives a quotient that is 5 times the difference between 625 and 515 and remainder as zero. What is the number?

a.632500 b.27000 c.617500 d.642000

06) A three digit number $4a3$ is added to another three digit number 984 which result in four digit number $13b7$. This four digit number is divisible by 11. What is the value of $a + b$?

a.8 b.9 c. 10 d.11

07) 40 hens give 200 eggs in 2 days. 20 hens will give 400 eggs in how many days?

a.30days b.10 days c.8 days d.20 days

08) Simplify $[\{ (1/8)-1\}-4]-1$

a.4906 b. 4096 c.4960 d.4690

09) What is the smallest number that should be divided by 10500 to make it a perfect cube?

a.4 b. 84 c.12 d.21

10) What is the least number that should be subtracted from 3592 to obtain a number exactly divisible by 19?

a.0 b. 1 c.2 d.3

11) The value of $(1/512)^{1/9}$ is:

a. $\frac{1}{2}$ b. $\frac{1}{3}$ c. $\frac{1}{4}$ d. $\frac{1}{6}$

12) The number 98181^*6 is completely divisible by 9. Smallest whole digit number in place of * can be?

a.0 b.1 c.2 d. 3

13) If an integer 'K' is divisible by 2, 5 and 13. What is the next largest number that is divisible by all the 3 given numbers?

a.2K b. K + 13 c. 2K + 13 d. 2K + 65 e. K + 130

14) If the difference of two numbers is 8 and the difference of their squares is 160 , then the numbers are

a.18, 10 b.8,16 c. 6,14 d.None of these

15) What is the value of $[52 \times 258 / 6252] / 7$

a.5 b.25 c.625 d. 0.3

16) Solve : $v(9 - v(3 + v(5 - v(3 + v169))))$

a. v^7 b.1 c.0 d. v^5 e. v^2

17) For the smallest number that should be multiplied with 54000 to make it a perfect cube?

a. 4 b.27 c.5 d.3

18) Find the next number: 8, 8, 15, 23, 38,

a. 61 b.57 c.52 d.69

19) Swaroop draws a certain amount of money from ATM machine. Number of rs.500 notes are double the number of Rs.100 notes. Which of the following can be possible amount drawn

a.5000 b. 8800 c.10000 d.9500

20) Find the value of x if $82x / 8 - 5$ CORRECT ANSWER: 87

a. 1 b.0 c.-1 d.None of the above

21) What is the smallest square number, which is divisible by 2,4,5,6 and 9?

a.200 b.90 c.180 d. 900

22) What are the values for x & y in $72x23y$ for it to be perfectly divisible by 88?

a . $x=1$ & $y=5$ b. $x= 7$ & $y= 5$ c. $x= 3$ & $Y= 2$ d. $x= 7$ & $y= 2$

23) I read $3/5$ of a book on one day and $4/5$ of the remainder on another day. If now there were 27 pages unread, the book (approx) contains

a.240 b. 340 c.230 d.140

24) Among the following options which one does not lie in the given range: $1/6 < x < 17/12$

a. $2/7$ b. $1/2$ c. $4/3$ d. $13/11$ e. $20/13$

25) What is the least number which should be added to 1330 to make it a perfect square?

a.56 b.1 c.40 d.30 e.39

26) When 235 is divided by 5, the remainder is

a.2 b. 3 c.4 d.0

27) During a quality control conference if 30 employees are seated in column, then 50 column could be formed. However, if 25 employees are seated in a column then how many such columns could be formed?

a.105 b.100 c.75 d.: 60

28) Product of two odd numbers is:

a. Always odd b.Always even c.Sometimes odd & sometimes even d.Divisible by 6

29) Which of the following fraction is smallest?

- a. $\frac{63}{80}$ b. $\frac{31}{40}$ c. $\frac{13}{16}$ d. $\frac{7}{8}$

30) Parul is one-fifth the age her mother was 15 years ago and Parul's brother is three-fifth the age his mother was 10 years ago. If the sum of Parul and her brother's ages is 31, then how old is Parul's mother? (in years) a) 50 b) 40 c) 35 d) 60

31) A pie has to be divided amongst few kids. Punith gets $\frac{2}{7}$ th portion of the pie and Shella gets $\frac{5}{8}$ th portion of the pie. Who amongst the two gets lesser share? a. Punith b. Shella c. Both gets equal share d. Cannot be determined

53. A car engine is half filled and holds 15 litres of petrol. What fraction of the engine is full if it contains 18 litres of petrol?

- a. $\frac{1}{4}$ b. $\frac{2}{3}$ c. $\frac{2}{5}$ d. $\frac{3}{5}$

32) Ravi is 5 years elder than Sunil. Sunil is 2 years younger than Reeta. If Sunil's age is 11, then What will be the age of Ravi 2 years from now? a) 4 b) 8 c) 16 d) 64

33) 40 hens give 200 eggs in 2 days. 20 hens will give 400 eggs in how many days? a. 30 days b. 10 days c. 8 days d. 20 days

34) To clear a competition, Sonu needs an average score of 90 in three exams. His score in first two exams are 93 and 85. What score must he get in the third exam to clear the competition? a) 90 b) 85 c) 95 d) 92

35) I read $\frac{3}{5}$ of a book on one day and $\frac{4}{5}$ of the remainder on another day. If now there were 27 pages unread, the book (approx) contains a. 240 b. 340 c. 230 d. 140

36) Ram is five years elder to his youngest sibling Shreya. Shreya is two years younger than her brother Ritesh. Ritesh is 13 years old and is Ram's brother. How old will Ram be in two years from now? a) 16 b) 17 c) 20 d) 15 e) 18

37) Suparna needs to browse through 75 pages of a novel before she gives her review to the class. She has 2.5 hours before the lecture. What should be her reading speed in pages /hour?

- a. 16 b. 30 c. 20 d. 22

38) A can contains a mixture of two liquids A and B in the ratio 7:5. When 9 litres of mixture are drawn off and the can is filled with B, the ratio of A and B becomes 7:9. How many litres of liquid A was contained by the can initially? a) 10 b) 20 c) 21 d) 25

39) Sara has 400 marbles. If she gives $\frac{1}{5}$ th of her marbles to Sam and Sam gives $\frac{3}{4}$ th of his marbles to David, then how many marbles does Sam have left? a. 80 b. 20 c. 60 d. 200

- 40) A total profit of Rs. 36,000 is to be distributed among Rajesh, Sales and Rajeev such that Rajesh : Sales :: 5 : 4 and Sales : Rajeev :: 8 : 9. What is the share of Rajeev? a) Rs. 12,000 b) Rs. 24,000 c) Rs. 10,000 d) Rs. 20,000
- 41) Sumithra put five grams of seeds in a bird feeder on Sunday. On Wednesday half of the seeds were eaten, so she put 3 more grams. On Friday she found half were eaten. How many grams were eaten in that week? a) 3g b) 2.5g c) 2.75g d) 5.25g
- 42) A bag contains coins of 1 rupee, 2 rupees, 5 rupees in the ratio 4:8:5. The total amount is Rs. 90. The number of 5 rupee coins is? a) 8 b) 16 c) 15 d) 10
- 43) The difference between two numbers is 1365. When the larger number is divided by the smaller one, the quotient is 6 and the remainder is 15. The smaller number is: a) 240 b) 270 c) 295 d) 360
- 44) A contractor estimates that 3 people can paint Mr. Khan's house in 4 days. If he uses 4 people instead of 3 how long will it take to complete the task? a) 4 b) 2 c) 3 d) 5
- 45) An investment earns 4 paisa per rupee invested. If at the end of the year, the interest earned by an investment is Rs. 100. Then the investment is equal to: A) Rs. 2,000 b) Rs. 2,200 c) Rs. 1,000 d) Rs. 2,500 e) Rs. 4,000
- 46) A bread making machine can make bread of 50kg dough in 3 mins. How many such machines are required to make bread of 300kg dough in 6 mins? a) 6 b) 3 c) 4 d) 5
- 47) . In the poultry farm, 50 hens give 200 eggs for 2 days. In how many days will 20 hens give 400 eggs? a) 15 b) 10 c) 5 d) 0
- 48) In a miniature wonderland, three countries Austria, America and Germany are on display. If Austria and America occupied $\frac{3}{7}$ and $\frac{4}{9}$ of the display area respectively, what is the display area occupied by Germany? a) $\frac{3}{21}$ b) $\frac{5}{63}$ c) $\frac{8}{63}$ d) $\frac{1}{21}$
- 49) What is the difference between the LCM and HCF of numbers 20, 30 and 40? a) 100 b) 110 c) 120 d) 130
- 50) Micro Sims Pvt. Ltd. produces 1200 phones everyday. If out of these, $2\frac{1}{3}$ are faulty and $4\frac{1}{3}$ are defective in packaging. Then how many non faulty and non defective packaged phones are produced everyday? a) 80 b) 120 c) 1080 d) 1120
- 51) What is the least amount that a person can have, such that when he distributes it into groups of Rs 16 or Rs.18 or Rs.20 or Rs.25, he is always left with Rs.4 ? a) Rs.1796 b) Rs.1804 c) Rs.2596 d) Rs.3604