

What is the different between the highest and lowest numbers

Competitive Exams Special Arithmetic

- 1) Pure milk costs Rs 16 per litre. After adding water the milkman sells the mixture Rs 15 per litre and thereby makes a profit of 25%. In what respective ratio does he mix milk with water
 - 1) 3:1
 - 2) 4:3
 - 3) 3:2
 - 4) 5:3
- 2) How many whole numbers between 100 and 800 contain the digit 2
 - 1) 200
 - 2) 214
 - 3) 220
 - 4) 240
- 3) 'A', 'B' and 'C' are three consecutive even integers such that four times 'A' is equal to three 'C'. What is the value of B?
 - 1) 12
 - 2) 10
 - 3) 16
 - 4) 14
- 4) 35 percent of a number is two times 75 percent of another number. What is the ratio between the first and the second number respectively
 - 1) 35:6
 - 2) 31:7
 - 3) 23:7
 - 4) 30:7
- 5) A CD was sold at a profit of 12 1/2 %. If had been sold at a profit 15%, it would have gained him Rs 10 more. The cost prices of CD is (in Rs)
 - 1) 450
 - 2) 500
 - 3) 400
 - 4) 550
- 6) If a:b = 2:3, b:c = 3:4, c:d = 4:5, find a:b:c:d
 - 1) 5:4:3:2
 - 2) 30:20:15:12
 - 3) 2:3:4:6
 - 4) 2:3:4:5
- 7) Find a:b:c, if 6a=9b=10c
 - 1) 12:10:8
 - 2) 15:4:3
 - 3) 15:8:9
 - 4) 15:10:9
- 8) 56 workers can finish a piece of work in 14 days. If the work is to be completed in 8 days, then how many extra workers are required?
 - 1) 36
 - 2) 48
 - 3) 44
 - 4) 42
- 9) A can do a piece of work in 25 days and B in 20 days. They work together for 5 days and then A goes away. In how many days will B finish the remaining work?
 - 1) 17 days
 - 2) 11 days
 - 3) 10 days
 - 4) 15 days
- 10) If a pipe fills a tank in 4 hrs and another pipe can empty the full tank in 6 hrs. When both the pipes are opened together, then find the time required to completely fill the tank.
 - 1) 12 hrs
 - 2) 11 hrs.
 - 3) 13 hrs.
 - 4) 14 hrs.
- 11) A bus covers 572 kms in 13 hours. What is the speed of the bus
 - 1) 40 km/hr
 - 2) 44 km/hr
 - 3) 43 km/hr
 - 4) 47 km/hr
- 12) Two pipes A and B can fill a tank in 24 minutes and 32 minutes respectively. If both the pipes are opened simultaneously, after how much time should B be closed so that the tank is full in 18 minutes

- 1) 6 min
 - 2) 8 min
 - 3) 12 min
 - 4) 14 min
- 13) If 3 men or 4 women can reap a field in 43 days, how long will 7 men and 5 women take to reap it
 - 1) 7 days
 - 2) 11 days
 - 3) 12 days
 - 4) 16 days
 - 14) 12 men complete a work in 18 days. Six days after they had started working, 4 men joined them. How many days will all of them take to complete the remaining work
 - 1) 10 days
 - 2) 12 days
 - 3) 15 days
 - 4) 9 days
 - 15) Two successive discounts of 70% and 30% are equivalent to a single discount of
 - 1) 89%
 - 2) 75 %
 - 3) 79%
 - 4) 100%
 - 16) A garment dealer allows his customers 10% discount on marked price of the goods and still makes a profit of 25%. Find the cost price of a shirt if it is marked at Rs 1250.
 - 1) Rs 800
 - 2) Rs 900



- 3) Rs 1000
- 4) Rs 1500
- 17) The monthly salaries of A and B together amount to Rs 40,000. A spends 85% of his salary and B, 95% of his salary. If now their savings are the same, then the salary of A is (Rs)
 - 1) 10,000
 - 2) 12,000
 - 3) 16,000
 - 4) 18,000
- 18) The sum of the squares of three consecutive natural numbers is 194. The sum of the numbers is
 - 1) 24
 - 2) 27
 - 3) 21
 - 4) 30
- 19) A slab of ice 8 inches in length, 11 inches in breadth, and 2 inches thick was melted and resolidified in the form of a rod of 8 inches diameter. The length of such a rod, in inches, is nearest to
 - 1) 3
 - 2) 3.5
 - 3) 4
 - 4) 4.5
- 20) If the diagonal of a square is doubled, then its area will be
 - 1) three times
 - 2) four times
 - 3) same
 - 4) None of these
- 21-25) What should come in place of the question mark (?) in the following questions
 - 21) $(12 \times 19) + (13 \times 8) = (15 \times 14) + ?$
 - 1) 124
 - 2) 122
 - 3) 126
 - 4) 128
 - 22) $15\% \text{ of } 524 - 2\% \text{ of } 985 + ? = 20\% \text{ of } 423$
 - 1) 25.9
 - 2) 27.7
 - 3) 25.7
 - 4) 24.9
 - 23) $43\% \text{ of } 600 + ?\% \text{ of } 300 = 399$
 - 1) 45
 - 2) 41
 - 3) 42
 - 4) 47
 - 24) $38.734 + 8.638 - 5.19 = ?$
 - 1) 41.971
 - 2) 42.179
 - 3) 43.072
 - 4) 42.182
 - 25) $16.046 \div 2.8 \times 0.599 = ?$
 - 1) 3.5
 - 2) 7.9
 - 3) 1.9
 - 4) 5.6
 - 26) The sum of three consecutive odd numbers is 1383. What is the largest number
 - 1) 463
 - 2) 49
 - 3) 457
 - 4) 462
 - 27) Equal amounts of water were poured into two empty jars of different capacities, which made one jar 1/4 full and the other jar 1/3 full. If the water in the jar with lesser capacity is then poured into the jar with greater capacity, then the part of the larger jar filled with water is
 - 1) 1/2
 - 2) 7/12
 - 3) 1/4
 - 4) 1/4
 - 28) A teacher wants to arrange his students in an equal number of rows and columns. If there are 1369 students, the number of students in the last row are
 - 1) 37
 - 2) 33
 - 3) 63
 - 4) 47
 - 29) If '+' means '÷', '×' means '-', '÷' means '×' and '-' means '+', what will be the value of the following expression $9+3 \div 4 - 8 \times 2 = ?$
 - 1) 6 1/4
 - 2) 6 3/4
 - 3) -1 3/4
 - 4) 18
 - 30) What a two digit prime number, if 18 is added, we get another prime number with digits reversed. How many such numbers are possible
 - 1) 2
 - 2) 3
 - 3) 0
 - 4) 1
 - 31) The smallest positive integer which when multiplied by 392, gives a perfect square is
 - 1) 2
 - 2) 3
 - 3) 5
 - 4) 7
 - 32) A hostel has provisions for 250 students for 35 days. After 5 days, a fresh batch of 25 students was admitted to the hostel. A gain after 10 days, a batch of 25 students left the hostel. How long will the remaining provisions survive?
 - 1) 18 days
 - 2) 19 days
 - 3) 20 days
 - 4) 17 days
 - 33) L.C.M. of 2/3, 4/9, 5/6 is
 - 1) 20/27
 - 2) 8/27
 - 3) 20/3
 - 4) 10/3
 - 34) In a cricket match, Team A scored 232 runs without losing a wicket. The score consisted to byes, wides and runs scored by two opening batsmen: Ram and Shyam. The runs scored by the two bats man are 26 times wides. These are 8 more byes than wides. If the ratio of the runs scored by Ram and Shyam is 6:7, then the runs scored by Ram is
 - 1) 88
 - 2) 96
 - 3) 102
 - 4) 112
 - 35) The ratio of two numbers is 3:4 and their HCF is 5. Their LCM is
 - 1) 10
 - 2) 60
 - 3) 15
 - 4) 12
 - 36) What would be the sum of $1+3+5+7+9+11+13+15 + \dots$ up to 15th term
 - 1) 250
 - 2) 240
 - 3) 225
 - 4) 265
 - 37) The average of five consecutive odd numbers is 61. What is the different between the highest and lowest numbers
 - 1) 2
 - 2) 5
 - 3) 8
 - 4) Cannot be determined
 - 38) In an Entrance Examination Ritu scored 56 percent marks, Smita scored 92 percent marks and Rina scored 634 marks. The maximum marks of the examination are 875. What are the average marks scored by all the three girls together
 - 1) 1929
 - 2) 815
 - 3) 690
 - 4) 643
 - 39) Average of five number is 61. If the average of first and third number is 69 and average of second and fourth number is 69, what is the fifth number
 - 1) 31
 - 2) 29
 - 3) 25
 - 4) 35
 - 40) The average of four consecutive even numbers is 9. Find the largest number
 - 1) 12
 - 2) 6
 - 3) 8
 - 4) 10

Answers				
1.1	2.2	3.4	4.4	5.3
6.4	7.4	8.4	9.2	10.1
11.1	12.2	13.3	14.4	15.3
16.2	17.1	18.1	19.2	20.2
21.2	22.3	23.4	24.4	25.1
26.4	27.1	28.1	29.4	30.1
31.1	32.2	33.3	34.2	35.2
36.3	37.3	38.4	39.2	40.1

దీపిక పేజీలపై మీ అభిప్రాయాలను, సలహాలను మాకు తెలియజేయండి.
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