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QUANTITATIVE APTITUDE

1. What is the value of $[725 \times 725 \times 725 + 371 \times 371 \times 371] / [725 \times 725 - 725 \times 371 + 371 \times 371] = ?$
 (a) 9610 (b) 1960 (c) 1096 (d) 1016
2. $(117 \times 117 \times 117 - 98 \times 98 \times 98) / (117 \times 117 + 117 \times 98 + 98 \times 98) = ?$
 (a) 215 (b) 311 (c) 29 (d) 19
3. In a division sum, the divisor is 3 times the quotient and 6 times the remainder. If the remainder is 2, then the dividend is
 (a) 50 (b) 48 (c) 36 (d) 28
4. If the sum of the two numbers is 120 and their quotient is 5, then the difference of the two numbers is—
 (a) 110 (b) 80 (c) 90 (d) 72
5. The smallest number, which when increased by 5 is divisible by each of 24, 32, 36 and 564, is
 (a) 859 (b) 869 (c) 4320 (d) 427
6. Five bells begin to toll together and toll respectively at intervals of 6, 7, 8, 9 and 12 seconds. After how many seconds will they toll together again?
 (a) 772 Sec. (b) 612 Sec. (c) 504 Sec. (d) 318 Sec.
7. The average of 100 observations was calculated as 35. It was found later, that one of the observations was misread as 83 instead of 53. The correct average is:
 (a) 32.7 (b) 34.7 (c) 35.7 (d) 36.7
8. The average age of 54 girls in a class was calculated as 14 years. It was later realized that the actual age of one of the girls in the class was 10.5 years but it was calculated as 13 years. What is the actual average age (round off) of the girls in the class? (Find the approximate answer.)
 (a) 10.50 year (b) 12.50 year (c) 2 years (d) 14 years
9. A man losses 20% of his money. After sending 25 % of the remainder, he has ₹ 480 left. What is the amount of money he originally had?
 (a) ₹ 600 (b) ₹ 720 (c) ₹ 800 (d) ₹ 840
10. A mixture of 40 litres of milk and water contains 10% water. How much water should be added to this so that water may be 20% in the new mixture?
 (a) 4 litres (b) 5 litres (c) 6.5 litres (d) 7.5 litres
11. Nisha bought a number of oranges at 2 for a rupee and an equal number at 3 for a rupee. To make a profit of 20% she should sell a dozen for
 (a) ₹ 6 (b) ₹ 8 (c) ₹ 10 (d) ₹ 12
12. A shopkeeper marked the selling price of his goods in such a way that after giving a discount of 10% he gains 17%. How much percent above the cost price is the marked price?
 (a) 36% (b) 27% (c) 30% (d) 40%
13. A, B and C working separately can do a piece of work in 11 days, 20 days and 55 days respectively. In how many days, the work will be completed if A is assisted by B and C on alternate days?
 (a) 2 (b) 6 (c) 4 (d) 8
14. A and B can do a piece of work in 20 days and 12 days respectively. A started the work alone and then after 4 days B joined him till the completion of the work. How long did the work last?
 (a) 10 days (b) 20 days (c) 15 days (d) 6 days
15. Buses start from a bus terminal with a speed of 20 km/hr at intervals of 10 minutes. What is the speed of a man coming from the opposite direction towards the bus terminal if he meets the buses at intervals of 8 minutes?
 (a) 3 km/hr (b) 4 km/hr (c) 5 km/hr (d) 7 km/hr

16. A train is running at a speed of 90 km/hr. If it crosses a signal in 10 sec., the length of the train (in meters) is
(a) 150 (b) 324 (c) 900 (d) 250
17. 7 years ago, the ages of A and B were in the ratio 4: 5 and 7 years hence, they will be in the ratio 5: 6. The present age of B is?
(a) 56 years (b) 63 years (c) 70 years (d) 77 years
18. Deepak is 4 times as old as his son. four years hence the sum of their ages will be 43 years. How old is Deepak's son now?
(a) 5 years (b) 7 years (c) 8 years (d) 10 years
19. A sum of Rs. 800 amounts to Rs. 920 in 3 years at the simple interest rate. If the rate is increased by 3% p.a., what will be the sum amount to in the same period?
(a) ₹992 (b) ₹962 (c) ₹942 (d) ₹982
20. A sum of money at compound interest will amount to ₹ 650 at the end of the first year and ₹ 676 at the end of the second year. The amount of money is
(a) ₹ 1,300 (b) ₹ 650 (c) ₹ 1,250 (d) ₹ 625

ANSWER KEY

1. c	2. d	3. a	4. b	5. a	6. c	7. b	8. d	9. c	10. b
11. a	12. c	13. d	14. a	15. c	16. d	17. d	18. b	19. a	20. d

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