

Mental Ability

Self Evaluation Test-04 (Percentage)

- The length of rectangle increased by 30% and breadth by 20%. What percentage area will change
(a) 50% increase
(b) 60% increase
(c) 10% decrease
(d) 56% increase
- The price of sugar increase by 40% what percentage consumption must be reduced by a housewives so that these is no change in her monthly expenditure
(a) $28\frac{3}{7}\%$ (b) $27\frac{4}{7}\%$
(c) $28\frac{4}{7}\%$ (d) 40%
- The price of a car increase by 30% so it affect adversely and sales decreased by 20%. Then what will be percentage change in revenue
(a) 4% decrease
(b) 4% increase
(c) 5% increase
(d) 10% decrease
- In an examination 40% failed in General Studies, 55% failed in CSAT. If 25% failed in both the subjects. If 3600 students declared passed. Then how many students appear in the examination?
(a) 120000 (b) 6000
(c) 12000 (d) None
- In AIEEE examination, 90% students who appeared for the examination are boys and rest were girls. If 60% of boys and 80% of girls passed the examination and invited for career counselling. What is the total no. of students appeared in the examination. If the total no. of students passed the examination was 1240
(a) 2200 (b) 2400
(c) 3000 (d) 2000
- In an election, there are 150,000 voters. Out of which 70% cast their votes. If 10500 votes declared invalid. If winner got 46% of votes cast in election, he won the election by margin of
(a) 4200 (b) 2100
(c) 3150 (d) None
- The marked price of a car is marked in such a way that after giving 10% company's discount 15% dealers discount and 5% cash discount it was sold for Rs 348840, after 25% profit on manufacturing cost. What was the manufacturing cost of car?
(a) 279072 (b) 600000
(c) 720000 (d) None
- Two types of alloy P and Q contains mixture of tin and copper and copper and zinc respectively. P has 30% copper while Q has 50% copper. If 30gms of Q being mixed with K gms of P and obtained another alloy which has 45% copper. Then the value of K should be
(a) 25 (b) 20
(c) 10 (d) 15
- If A's salary is 25% more than B, B's salary what percentage less than A ?
(a) $16\frac{2}{3}\%$ (b) 20%
(c) 25% (d) None
- The price of petrol increased by 20%. What % consumption must be reduced by Mr John so that his monthly expenditure increased on petrol by just 8%
(a) 8% (b) 10%
(c) 12% (d) None
- A party being organised by Mr Vinod by taking contributions from students of ALS. 60% students contributed 80% of funds. The average contribution of all the students who attended is Rs 50. What is the average contribution of remaining 40% students of ALS.
(a) 40 (b) 45
(c) 60 (d) 25

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12. In University of Delhi, out of every 7 students learning science, 3 take literature as well, for every student taking at least one of the two courses there are 3 students who take up neither. If 10% of the students taken only science, the percentages who have taken science is
- (a) $17\frac{1}{2}\%$ (b) $23\frac{1}{3}\%$
(c) $7\frac{1}{2}\%$ (d) can't determine
13. The population of town Q is 4 times of the population of town P. For next 2 year, population of town P increase @ r % and population of town Q decrease @ r % per year and become equal. What is the value of r
- (a) 25% (b) $33\frac{1}{3}\%$
(c) $66\frac{2}{3}\%$ (d) None
14. Four executives Alok, Vinod, Chitra and Dinesh work in ALS. Alok's salary is 20% less than Vinod's salary while Chitra's salary is 25% more than Alok's salary. Dinesh's salary is 20% more than Alok's salary. If Alok has a salary of Rs 10000 per month. Who has a salary of Rs 12500 per month
- (a) Dinesh and Vinod
(b) Chitra and Vinod
(c) Chitra only
(d) Vinod only
15. A big cube is made of 64 smaller cubes in which 40 are coloured. But they are arranged in such away that exposure of coloured face outside of cube is minimised. What percent of exposed area of cube is coloured?
- (a) 40% (b) 41.6% (c) 60% (d) None
16. Population of Maharajganj city was 200000 on January 1, 2008. This year 20% growth being recorded, but next year 25% people left the city because of poor employment. In the year 2010 again 20% more people left the city for advance education system. Now, since new government of Nitish Kumar's assured for better development of town, it is expected 25% growth in 2011. What will be population of Maharajganj on January 1, 2012 ?
- (a) 200000 (b) 2400000
(c) 180000 (d) None
17. The price of a commodity first increased by 50%. Then given successive discount of 30% and 20%. Then the percentage loss/profit is
- (a) 14% profit
(b) 16% loss
(c) 16% profit
(d) No profit no loss
18. Competition Wizard makes a profit of 25% sold a book to distributor makes a profit of 20% and sold to retailers. If retailers make a profit of 28% after giving discount of 20% on marked price of Rs 60. Then what was the manufacturing cost of book for Competition Wizard?
- (a) Rs 20 (b) Rs 36
(c) Rs 30 (d) Rs 25
19. In one litre pouch of milk of Amul, there are 20% milk. How much water must be poured into it so that milk content reduced to 10%
- (a) 200 ml (b) 500 ml
(c) 1.5 litre (d) 1 litre
20. In an examination, a student score 40 marks and failed by 40 marks. If 40% marks required to pass the examination. Then what is the maximum marks for which examination was held
- (a) 240 (b) 100
(c) 160 (d) 200