

1. In an examination 34% of the candidates failed in arithmetic and 42% in algebra. If 20% failed in both the subjects find the percentage of candidates who passed both the subjects.
(a) 23% (b) 44% (c) 56% (d) 42%
2. The monthly income of a person is Rs. 400. He spends $87\frac{1}{2}\%$ of his income every month. What is his monthly saving?
(a) Rs. 350 (b) Rs. 50 (c) Rs. 75 (d) Rs. 87.50
3. In 50 gallons of mixture of milk and water there is 8.5 % of water. What is the quantity of milk in the mixture?
(a) 45.75 gallons (b) 92.5 gallons (c) 4.5 gallons (d) 4.25 gallons
4. In an election of two candidates the candidate who gets 41% of the votes is rejected by a majority of 2412 votes. Find the total number of votes polled.
(a) 13480 (b) 13400 (c) 14300 (d) 14340
5. The ratio of the number of boys to that of girls is 4:1. If 75% of boys and 70% of the girls are scholarship holders then the percentage of students who do not get scholarship is:
(a) 50% (b) 28% (c) 75% (d) 26%
6. Two numbers are respectively 20% and 30% of a 3rd number. What % is the first of the second?
(a) 90% (b) 80% (c) 75% (d) $66\frac{2}{3}\%$
7. Two numbers are 25% and 40% less than a 3rd number. What % is the first of the second?
(a) 75 % (b) 80 % (c) 85 % (d) 125 %
8. A positive number is by mistake multiplied by 7 instead of being divided by 7. What % is the result of the required value?
(a) 100% (b) 700% (c) 4900 % (d) None of these
9. A student has to secure 40% marks to pass. If he gets 40 marks and failed by 40 marks, find the maximum marks for the examination.
(a) 100 (b) 200 (c) 300 (d) 400
10. A candidate scores 20% marks and failed by 20 marks, while another candidate scores 45% marks and gets 45 more marks than the required pass mark. Find the maximum marks for the examination.
(a) 260 (b) 380 (c) 400 (d) 500
11. Two liters of water was evaporated by boiling 8 liters of sugar solution containing 5% sugar. Find the percentage of sugar in the remaining solution.
(a) 5% (b) $6\frac{2}{3}\%$ (c) 8 % (d) $7\frac{2}{7}\%$
12. Due to fall in man power the production in a factory decreases by $33\frac{1}{3}\%$. By what percent should the working hour be increased to restore the original production?
(a) 25% (b) 30% (c) 40% (d) 50%

13. 20% fall in the price of sugar enables a person to buy 9 kg more sugar for Rs. 360. What is the reduced price of sugar per kg?
(a) Rs. 10 (b) Rs. 8 (c) Rs. 9.25 (d) Rs. 8.50
14. The length of a rectangle is 40 cm and the breadth is 23 cm. Then the length is increased by $33\frac{1}{3}\%$. The breadth should decrease by what % so that the area will remain constant?
(a) 50% (b) 25% (c) $16\frac{2}{3}\%$ (d) None of these
15. A book 'A' contains 350 pages, each page containing 35 lines, and each line contains an average of 35 words. Another book 'B' contains 400 pages, each page containing 40 lines and each line containing an average of 40 words. The number of words in 'B' is what % more than that in A (Approximately)?
(a) 24% (b) 30% (c) 38% (d) 50%
16. A man loses $12\frac{1}{2}\%$ of his money and after spending 70% of the remainder he is left with Rs. 210. How much had he at first?
(a) Rs. 700 (b) Rs. 800 (c) Rs. 900 (d) Rs. 1000
17. The length, breadth and height of a cuboid is increased by 10% what is the overall increase in its volume?
(a) 21% (b) 33.1% (c) 46.41% (d) None of these
18. A shopkeeper marks the price of his goods 12% higher than the original price. After that he allows a discount of 12%. What is his percentage of profit or loss?
(a) 14.4% loss (b) 14.4% gain (c) 1.44% gain (d) 1.44% loss
19. The population of a town is 8000. If the number of males increases by 6% and the females by 10%, the population will become 8600. Find the number of females in the town.
(a) 1000 (b) 2000 (c) 3000 (d) 4000
20. If a number z is added to $37\frac{1}{2}\%$ of $33\frac{1}{3}\%$ of another number n, the sum equals to the result when n is added to $16\frac{2}{3}\%$ of $62\frac{1}{2}\%$ of z. Then $n/z = ?$
(a) $43/42$ (b) $47/46$ (c) $53/52$ (d) None of these

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