

Percentage Set 1

1. An electrical contractor purchases a certain amount of wire, 10% of which was stolen. After using 85% of the remainder he had 47.25m of wire left. How much wire did he purchase?(Capgemini- 2014)

a) 103m b) 325m c) 96m d) 350m

2. 10 % of cement is lost when it is packed and the company sells 31.5 million tones. However, if only 2% is lost in packing, the company would have sold 34.3 million tones. If there were no loss in packing, how many tones will the company be able to sell?(Infosys- 2016)

a) 35 b) 30 c) 25 d) None of these.

3. 60% of the employees of a certain company are men, and 50% of the men earn more than Rs 50,000 per year. If 45% of the company's employees earn more than Rs 50,000 per year, what % of the women employed by the company earns Rs. 50,000 or less per year?

a) 62.5% b) 60.5% c) 32.5% d) None of these

4. A man's expenditure is 66 % of his income. If income increases by Rs 800, his expenditure (which remains the same) becomes 50% of his income. His original income is?

a) Rs. 600 b) Rs. 800 c) Rs. 2400 d) None

5. A clock gains 2% during 1st week and loses 3% in the subsequent 10 days. If it was set right on Sunday at noon, what will be the time at the end of 17 days? (Tech Mahindra- 2015)

a) 8:09:36 b) 8:09 c) 8:36 d) None

6. If the width of a rectangle is increased by 25% while the length remains constant, the resulting area is what percent of original area?

a) 125% b) 75% c) 150% d) None of these.

7. If the price of cooking gas is increased by 10%, by how much percentage a house-wife must reduce the consumption of cooking gas so as not to increase or decrease the expenditure

on cooking gas?

a) 10 % b) 11.11% c) 9.09% d) None of these

8. The weight of the empty bucket is 25% of the weight of the bucket when filled with some liquid. Some of the liquid has been removed. Then the bucket along with the remaining liquid, weighed $\frac{3}{5}$ th of the original weight. What fractional part of the liquid has been removed?(Wipro- 2014)

a) $\frac{2}{5}$ b) $\frac{8}{15}$ c) $\frac{7}{13}$ d) $\frac{5}{8}$

9. From the salary of an officer, 10 % is deducted as house rent, 15% of the rest he spends on children's education and 10 % of the balance, he spends on drinks. Then he is left with Rs. 4131. Find his total salary.(Accenture- 2015)

a) 6000 b) 8000 c) 4000 d) None of these

10. 20% of fruits in a shop were bad. The shopkeeper kept 25% of the remainder in cold storage and had 30 dozens of good fruits displayed in the stall. How many fruits has he kept in the cold storage?

a) 120 b) 100 c) 12 d) None of these

11. There are 5 persons A, B, C, D, and E. A weighs twice as much as B. Weight of B is 50% of the weight of C. Weight of D is 40% of that of E. Weight of E is 125% of the weight of A. Find who weighs less.

a) B only b) D only c) A d) B & D

12. In an examination a candidate who got 30% of the maximum marks failed by 20 marks. Another candidate who got 40% of the maximum marks got 20 marks more than the pass mark. What is the pass mark?

a) 140 b) 400 c) 14 d) None of these

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14. A hockey team that played 50 matches in the spring season won 40% of the games. Subsequently, the team had a phenomenal winning streak and won every game it played in April and its average increased to 60%. How many games in a row did it win in April?
a) 25 b) 24 c) 15 d) 14

15. Fresh grapes contain 90% water by weight while dried grapes contain 20% water by weight. What is the weight of dry grapes available from 20 kg of fresh grapes?
a) 2.5kg b) 3kg c) 2kg d) None of these.

16. A person who has a certain amount with him goes to the market. He can buy 50 oranges or 40 mangoes. He retains 10% of the amount for taxi fare and buys 20 mangoes and of the balance, he purchases oranges. Number of oranges he can purchase is
a) 50 b) 40 c) 30 d) 20

17. In an election there are 2 candidates only, the candidate who gets 62% of the votes is elected by a majority of 144 votes. Find the total number of votes recorded assuming that no vote was void?
a) 600 b) 400 c) 160 d) None of these

18. 35 litres of water was poured into an empty tank and the tank was still 75% empty. How many more litres of water must be poured into the tank to make it full?
a) 105 b) 100 c) 205 d) None of these

19. If the numerator of a fraction is decreased by 25% and the denominator increased by 25% the resultant fraction represents what % decrease over the original?
a) 20% b) 25% c) 40% d) 60%

21. A person spends one third of his salary on house rent. He spends 40% of the remaining on food. Half of the remaining, he spends on

entertainment and rest he saves. If in a month, he saves Rs.300, how much does he spend on food?
a) Rs.1500 b) Rs.400 c) Rs.600 d) None of these.

21. The length and breadth of a square is increased by 40% and 30% respectively. The area of the resulting rectangle exceeds the area of the square by,
a) 42% b) 62% c) 82% d) None of these.

22. A student took 5 papers in an examination, where the total marks were the same for each paper. His marks in these papers were in the ratio 6 : 7 : 8 : 9 : 10. In all papers together, the candidate obtained 60% of the total marks. Then the number of papers in which he got more than 50% marks is,
a) 4 b) 5 c) 6 d) None of these.

23. A sample of 20 litres of gasoline is found to be adulterated to the extent of 15%. How many litres of pure gasoline should be added to bring up the level of purity to 95%?
a) 50 b) 60 c) 40 d) 30

24. Ryan's stock of goods is worth Rs. 9462, which is 15% more than Hari's and 15% less than Ramya's. What is the value of the stock carried by Hari and Ramya?
a) Rs.8218, Rs.10032 b) Rs.1419, Rs.10881
c) Rs.8042, Rs.10881 d) Rs.8228, Rs.11132

25. Two numbers are 40 % and 60% more than a third number. By what percentage is the first number less than the second number?
a) 20% b) 25% c) 12.5% d) 10%

26. The production of rice increased by 275 million tonnes in 1995 to 330 million tonnes in 1996. What is the percentage increase?
a) 20% b) 25% c) 22% d) 30%

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27. From the salary of Roja, 20% is deducted as house rent, 10% of rest she spends on children's education and 20% of balance she spends on watching movies. If her savings are Rs.5760/- then her total salary is:

- a) Rs.11520/- b) Rs.10000/-
c) Rs.12000/- d) None of these

28. Daal is now being sold at Rs. 20 a kg. Last month, its rate was Rs. 16 per kg. By how much percent should a family reduce its consumption so as to keep the expenditure fixed?

- a) 30% b) 25% c) 20% d) 15%

29. If the length and breadth of a cuboid are halved and the height is doubled, find the % change in volume.

- a) 40% increase b) 45% increase
c) 50% decrease d) 25% decrease

30. In a cricket match, Dravid scored a century with 13 boundaries and 3 sixes. What percentage of his runs did he make by running between the wickets?

- a) 40% b) 50% c) 60% d) 30%

31. After selling 35% of the apples, a fruit vendor has 260 apples left. How many did he have originally?

- a) 300 b) 250 c) 400 d) 350

32. The population of a town was 1,00,000 three years ago. If increased by 2%, 3% and 5% respectively in the last three years, then the present population of town is

- a) 1,11,111 b) 1,10,101
c) 1,10,313 d) 1,11,125

33. Ganesh scored 93% in his exams. If he scored 84 marks less than the maximum marks. Find the maximum marks

- a) 1000 b) 1200 c) 1400 d) 1500

34. Akash scored 73 marks in subject A. He scored 56% marks in subject B and 'X' marks in subject C. Maximum marks in each subject were 150. The overall percentage marks obtained by Akash in all the three subjects together were 54%. How many marks did he score in subject C
a) 84 b) 86 c) 74 d) 78 e) None

35. 800 boys and 600 girls appeared in an examination. If 75% boys and 80% girls passed the examination, find the percentage of students who failed the examination ?

- a) 14.37% b) 21.36% c) 26.93%
d) 22.86% e) 42.68%

36. A's salary is 40% of B's salary which is 25% of C's salary. What percentage of C's salary is A's salary ?

- a) 10 b) 20 c) 30 d) 40

37. A college has raised 75% of the amount it needs for a new auditorium by receiving an average donation of Rs 600 from the students already solicited. The students already solicited represent 60% of the students the college will ask for donations. If the college is to raise exactly the amount needed for the new auditorium, what should be the average donation from the remaining students to be solicited?

- a) 500 b) 600 c) 550 d) 300