PERCENTAGE

PLUTUS

Q.1 If 25% of a number is added with itself then result becomes 25. Find the original number .

Q.2 If 20% of a number is added with itself then result becomes 36.find the original number

Q.3 If 16*2/3 % of a number is subtracted from itself then result becomes 30.find the original number?

Q.4 If 64 is added in a number then number becomes 157*1/7% of itself . find the original number.

Q.5 If 1640 is added in a number then number becomes 555*5/9% of itself . find the original number.

Q.6 If 16 is added in a number then result becomes 116*2/3% of itself. Find the number.

Q.7 If the length of a rectangle is increased by 40% and its breadth is decreased 20% .Find the % change in the area.

Q.8 If the length of a rectangle is increased by 20% and the width is decreased by 20%, then by how much % area of the rectangle will change.

Q.9 If the sides of a square is increased by 20% . find the % change in its area.

Q.10 A labour works 80 hr. Per week and he earns RS. 3200 as wages. If his per hour wages is increased by 40% and duration of work is reduced 16*2/3%. Find the % change in his income?

Q.11 The sale of a cinema ticket is increase by 25 % and the price of ticket is increased by 40% . find the % change in his revenue.

Q.12 Number of seats of an auditorium is are increased by 25% and the price of tickets is also increased by 12%. Accordingly, what will be the increased in income of auditorium?

Q.13 If the income tax is increased by 19% then net income reduce 6% . Find the rate of income tax?

Q.14 If the income tax is increased by 17% then net income is reduce by 3%. Find the rate of income tax.

Q.15 The population of a town is 656100 .5/9 of them are males and rest are females.
50% male are married.
A)   Find the % of married population.
B)   Find the % of married female.

Q.16 A family consumes 25 kg rice and 9 kg wheat per month spends RS.350. The price of rice is 20% of the price of the wheat.If the price of wheat is increased by 20% then, find the % reduction in consumption of rice, if it has the same amount to spend. And the price of rice is constant.

Q.17   A man can type 20 lines in 10 minutes but he leaves 8% margin on each line . In how much time he will type 23 pages with 40 lines on each page which he leaves 25% more margin than before ?

Q.18 If 60% of the students in a school are boys and the number of girls is 400. How many boys are there in the school.

Q.19 Two types of animals are there in a room. Some are Cats and some are dogs. Each dog takes 9 biscuits and each cat takes 7 biscuits. If 345 biscuits are eaten by 45 animals. Find the number of cats and dogs ?

Q.20 In a zoo, there are rabbits and pigeons. If the heads are counted there are 280 and if legs are counted there are 820. How many pigeons are there?

Q.21 The population of a town is 6000. If males are increased by 5% and females are increased by 9%. Then population will becomes 6500 after 1 year . find the number of males and females?

Q.22 The population of town at present is 7000. If males are increased by 8% and females are increased by 16%. Then population will become 7800 after 1 year. Find the number of males and females in town.

Q.23 If a student 25% marks then he is failed by 210 marks. But if he scores 55% marks then he is passed with 240 marks . find the passing % ?

Q.24 If a student score 36% marks then he is failed by 32 marks,j but when he scores 48% marks then he is passed by 16 marks. Find the passing %:

Q.25 Sum of no of boys and girls in a school is 150. If no of boys is X , then no girls becomes X% of total students. No of boys is-

Q.26 A man invests one part of 10000 at 5% and remaining at 6% . the money invested at 5% earns 76.50 per year more than money invested at 6%. What is the amount at 6%?

Q.27 A salesman is allowed 12% commission on the total sales made by him and a bonus of 1% on the sales over RS 15000. If the total earning of a salesman is RS 7650.find the total sales.

Q.28 A salesman is allowed 9% commission on the total sales made by him and a bonus of 1% on the sales over RS 20,000 . if the total earning of a salesman is RS 6800. Find the total sale?

Q.29 A company allowed 9% commission on the total sales made by salesman and a bonus of 1% on the sales over Rs 20,000 . if the salesman deposited RS. 63200 in the company after deducting his earning from the total sales made by him. Find the total sales?

Q.30 A company allows 9% commision on the total sales to his salesman but if the salesman is appointed on a fix salary of RS 4000 and 5% commission on the sales more than RS 10000. If in second condition the salesman receive RS 1100 more than the first condition. Find the total sales?

Q.31 A company allow 7% commission on the total sales to his salesman but if the salesman is appointed on a fix salary of RS 3000 and 4% commission on the sales more than RS 10000. If in second condition the salesman receive RS 800 more then the first condition. Find the total sales?

Q.32 The price of a sugar is increased by 20%. By how much % the consumption is decrease so that expenditure will not increase.

PLUTUS ACADEMY

Q.33 The price of sugar is decreased by 30%. By how much % the consumption is increase so as the expenditure will decrease by 10% only

Q.34 The price of sugar is increase by 20% . By how much Kg. of consumption is decrease so as expenditure will increase by 5% only. When he originally consume 280 kg sugar.

Q.35 The price of sugar is decreased by 20% due to this a family purchase 20 kg more sugar for Rs 400. Find

(1) Original consumption
(2) Current consumption
(3) Original price
(4) Current price

Q.36 A man spends 60% of his income. If his income is increased by 15% and his expenditure is increased by 15%. Find the % change in his saving.

Q.37 A person spent 75% of his income. His income increased by 20% and he increased his expenditure by 10% . What will be the % increase in his savings.

Q.38 A man spends RS 5700 out of his income of RS 8550. If his income and expenditure are increased by 19% and and 13%. Find the % change in saving.

Q.39 A man spends RS 4900 out of his income of RS 7350. If his income and expenditure are increased by 13% and 7% . find the % change in savings.

Q.40 Entry ticket of an exhibition was RS 5 After that, it is decreased by 20%. As a result, amount of sales on ticket is increased by 44%. What is % increase in no. of visitors?

Q.41 To attract more visitors , Zoo authority announces 20% discount on every ticket which costs RS 25. For this reason, revenue increase by 28%.find the percentage of increase in the number of visitors.

Q.42 Mr. Moore spent 20% of his income on food and 15% on children education and 40% of the remaining he spent on transportation and entertainment together and 30% on medical. He is left with Rs 8775 after all this expenditure. Find the total income of Mr. Moore?

Q.43 A watermelon contains 90% water . After some time it contains only 12% water , if now its weight is 50kg calculate the original weight?

Q.44 20 kg fresh watermelon contains 96% water, after some time water remains 95 %. Find the present weight of watermelon.

Q.45 In a test consisting of 80 questions carrying one mark each, joshi answers 65% of the first 40 questions correctly. What percent she the other 40 questions does she need to answer correctly to score 75% on the entire test?

Q.46 On a test consisting of 250 questions, joshi answered 40% of the first 125 questions correctly. What percent of the other 125 questions does she need to answer correctly for her grade on the entire exam to be 60%.

Q.47 If the numerator of a fraction is increased by 200% and the denominator is increased by 350% , the resultant fraction is 5/12. What was the original fraction.

Q.48 A fraction is such that if the doubt of the numerator and the triple of the denominator is changed by +10% and - 30% respectively , then we get 11% of 16/21. Find the fraction ?

Q.49 In an election two candidates participated .20% votes declare invalid and the winner get 70% of valid votes and he win by 9600 votes. Find the no of
A)   Total voters
B)   Valid voters

Q.50 In an election two candidate participated 20% voters did not vote . 12*1/2 % votes declare invalid and the winner get 60% of valid vote and he win by 5600 votes. Find the number of voter list.

Q.51 In an election two candidate participated 20% voters did not cast their votes, out of which 600 votes declare invalid and the winner get 75% of valid votes and he win by 1500 votes. Find the number of voters in the voting list?

Q.52 In an election two candidate participated, 10% voters did not vote, 2500 votes declare invalid and the winner get 55% of valid votes and he win by 2000 votes. Find the number of voters in the voting list?

Q.53 2/5 of the voters promise to vote for p and the rest promised to vote for Q. of these,on the last day 15% of the voters went back of their promise to vote for p and 25% of voters went back of their promise to vote for Q, and P lost by 2 votes. Then the total number of voters is: