**PERCENTAGE**

**Q2 :** In an Exam, a candidate got 35% marks and failed by 12 Marks. If he had got 48% marks instead, he would have got 14 marks more than the passing marks. Find the passing marks.

a. 96 b. 82 c. 200 d. None of These

**Q3 :** The length, breadth and height of a Cuboid are in the ratio 2:3:4. The length is increased by 10%, the breadth decreased by 10% and the height increased by 10%. Find the percentage change in the Surface Area of the Cuboid?

1. 21% b. 10% c. 33.31% d. None of These

**Q4 :** The Price of a commodity increases by 14.28%. By what % should the consumption be reduced so that the overall expenditure is constant? a. 14.28% b. 12.5% c. 16.66% d. 20%

Q5 : If the Diameter of a circle decreases by 10%, what will be the % change in the Area of the Circle? a. 21% Decrease b. 10 % Decrease c. 19 % Decrease d.20% Decrease

**Q6 :** The price of petrol was first increased by 40% in the month of November and subsequently decreased by 25% in the month of December. If the Price after the decrease in December was Rs.63, find the Price of Petrol before the increase in November?

a. 70 b. 55 c. 57 d. 60

**Q7:** The Ratio of the boys to girls in a class of 72 students is 5:4. If 75% of the boys and 18 girls qualified for an Exam, what % of the class did not qualify for the exam?

a. 66.66% b. 25% c. 33.33% d. 60%

**Q8 :** The population of Village A and B in a certain year is 3:4. In the next year, the population of Village B increased by 20% and became equal to 72000. What was the total population of the 2 villages together in the first year?

a. 105000 b. 60000 c. 90000 d. None of These

**Q9 :** If the radius of the base and the height of a right circular cylinder increase by 20% and decrease by 10% respectively, find the percentage change in the volume of the Cylinder?

a. 8% increase b. 29.6% increase c. 44% increase d. None

**Q10 :** By what % is 30% of 50% of a number more than 45% of 20% of the same Number?

a.Both are Equal b. 6% c. 66.66% d. 40%

**Q11 :** In an election between 2 candidates A got 20% votes more than B and won by 2000 votes. In the subsequent election, 25% of the people who voted for A gave their votes to B. If everyone else voted as earlier, approx what % of the total votes did A get in the 2nd election?

1. 45% b. 35% c. 40.5% d. 38%

**Q12 :** In a family, the Father ate half of a Cake while the remaining half was divided equally among the 4 children. By what % was the Father’s share more than any of the children’s share?

1. 200% b. 400% c. 300% d. 100%

**Q13 :** If 50% of a number is more than 1/5th of the number by 150, then what will be the value of the difference between the number and 30% of the number?

1. 350 b. 150 c. 500 d. None of These

**Q14 :** 20% of a number x is more than 80% of y by 6. If both x and y are positive integers, how many different values can x assume from 10 to 20?

1. 3 b. 2 c. 0 d. 1

**Q15 :** The Government increased the price of a commodity by 25% in a particular month. By what % should the price be decreased in the subsequent month in order to bring it back to it’s original value?

1. 80% b. 50% c. 25% d. 20%

**Q16 :** The difference between the marks obtained by 2 students A and B in an exam is 10 more than 25% of the Marks obtained by A. If A has got 80 marks in the exam out of 200, what is the maximum % obtained by B in the exam?

15% b. 55% c. 30% d. 110%

**Q17 :** A Number when increased by 20% is 56 more than half of the number. Find the remainder when the number is divided by 3?

1. 0 b. 1 c. 2 d. Cannot be Determined

**Q18 :** Find the % change in the Curved Surface Area of a Cylinder when the radius is increased by 20% and the height becomes 3/4th of it’s original value?

a. 5% decrease b. 25% decrease c. 10% decrease d. No change.

**Q19 :** The number of seats in an auditorium is decreased by 20% and the price of a ticket is increased by 10%. If the auditorium has a capacity of 500 seats after the change, find the % change in the total collection per show?

a. 12 % decrease b. 2 % decrease c. 10% decrease d. No change

**Q20 :** By what % is 50% of a number more or less than 60% of half the number?

a. 33.33% b. 66.66% c. 25% d. 40%

**Q. 21.** The difference between 56% of a number and 39% of the same number is 425. What is 60% of that number?

(a) 1525 (b) 1650 (c) 1700 (d) 1500

**Q.22.** 60 per cent of first number is 40 per cent of the second number. What is the respective ratio of the second number to the first number?

(a) 3 : 2 (b) 2 : 3 (c) 7 : 10 (d) cannot be determined

**Q. 23.** If the numerator of a fraction is increased by 200% and the denominator is increased by 300%, the resultant fraction is 15/26. What was the original fraction?

(a) 8/11 (b) 10/13 (c) 9/13 (d) 10/11

**Q. 24.** In an examination it is required to get 40% of the maximum marks to pass. A student gets 275 marks and is declared fail by 65 marks. What are the maximum marks in the exam?

(a) 850 (b) 800 (c) 650 (d) Cannot be determined

**Q. 25.** In a class of 50 students and 5 teachers, each student got sweets that are 14% of the total number of students and each teacher got sweets that are 20% of the total number of students. How many sweets were there?

(a) 345 (b) 375 (c) 350 (d) 400

**Q. 26.** In an election between two candidates, one candidate got 52% of the total valid votes. 25% of the total votes were invalid. The total number of votes was 8400. How many valid votes did the other candidate get?

(a) 3276 (b) 3196 (c) 3024 (d) Cannot be determined

**Q. 27**. If the height of a triangle is decreased by 50% and its base is increased by 50%, what will be the effect on its area?

(a) No change (b) 20% increase (c) 16% decrease (d) 25% decrease

**Q. 28.** Amit gave 35% of the amount he had to Billu. Billu in turn gave two-thirds of what he received from Amit to Chandan. After spending Rs.150 on lunch out of the amount he got from Billu, Chandan now has Rs.550 left with him. How much amount did Amit have?

(a) Rs.2500 (b) Rs.2000 (c) Rs.3000 (d) Rs. 3500

**Q.29.** The amount of leather factory is is increased by 50%. By what percent is it necessary to increase the number of workers to complete the new amount of work in previously planned, if the productivity of the new labour is 25% more

(a) 60% (b) 66.66% (c) 40% (d) 33.33%

**ANSWERS:**

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| --- | --- | --- | --- | --- | --- |
| 2. B | 3. A | 4. B | 5. C | 6. D | 7. C |
| 8. A | 9. B | 10. C | 11. C | 12. C | 13. A |
| 14. C | 15. D | 16. B | 17. C | 18. C | 19. A |
| 20. B | 21. D | 22. A | 23. B | 24. A | 25. D |
| 26. C | 27. D | 28. C | 29. C |  |  |