MATHEMATICS
CLASS – VII
Chapter-08
Comparing Quantities

ZERO
PERIOD
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1. Find the mean proportional between 8 and 18.

2. Out of 32 students, 16 students are absent. What percent of the students are present?

3. Find: $\frac{25\% \; of \; 50\% \; of \; 100}{25 \times 50}$

4. Is 0.018 equivalent to 9%? Justify.

5. If $x: y$ =1:3 and $y: z$ = 7:3, then find $x: z$

6. The simple interest on a certain sum at 5% per annum for 3 years and 4 years differ by ₹ 82. Find the sum.

7. The ratio of Anita's income to savings is 4:1, find the percentage of money saved by her.

8. Naveen bought a pen for ₹ 60 and sold it for ₹ 54. Find his loss percentage. Also find his profit percentage if he would have sold it for ₹ 72

9. The cost of a flower vase got increased by 12%, if the current cost is ₹ 896, what was the original cost?

10. 800 kg of mixture consists of 55% of product A, 33% of product B and the rest is product C. What is the mass of product C in the mixture?

11. A man travelled 120 km by car and 240 km by train. What percent of total journey did he travelled by car and what percent by train?

12. Aahuti purchased a house for ₹ 50,50,700 and spent ₹ 49,300 on its repairs. At what price should she sell the house to make a profit of 10%?

13. State whether the following ratios are proportional or not:
    (i) 20 : 45 and 4 : 9
    (ii) 9 : 27 and 33 : 11

14. Ratna earns ₹ 50,000 per month by her salary she spends 80% of it on her various expenses. Next year her monthly income increases by 20% but due to sudden price rise, she has to spend 20% more. Find Ratna's new savings.

15. If 25 men can do a work in 36 hours, find the number of men required to do the same work in 144 hours.

16. Out of total deposit of ₹ 15,000 in his bank account Shivam withdraws 40% of his deposits. What amount is left in his bank account now, also find the simple interest earned on the left amount after 2 years, if the rate of interest is 5% p.a.

17. A fruit seller purchased 20 kg of apples at ₹ 50 per kg. out of these 5% of apples were found to be rotten. If he sold the remaining apples at ₹ 60 per kg, then find his loss or gain percent.