

LESSON # 8 -- Comparing Quantities

- 1) To compare quantities we use _____ and _____
- 2) Equality of two ratios is called _____
- 3) ____ — 35% = 65%
- 4) Compare the ratios (i) 2 : 3 and 4 : 7 (ii) 15 : 27 and 2 : 9
- 5) Find the ratio of (i) 50p to ₹ 4 (ii) 125ml to 2L
- 6) Divide ₹ 560 in the ratio 1 : 3 : 4
- 7) Mr Rana divides ₹ 2,40,000 between his two daughters in the ratio 3 : 5. Find the percentage of amount each one will get. Also find how much money would each one get ?
- 8) If $6 : 9 = X : 6$ find the value of X ?
- 9) Convert 15% into decimal fraction and also fraction in the simplest form.
- 10) Convert $\frac{4}{11}$ into percentage.
- 11) Convert 0.17 into percentage.
- 12) 5% of what number is 75 ?
- 13) Find 20% of ₹ 180
- 14) ₹ 4 is what percentage of ₹ 200
- 15) Mrs Sharma spends 85% of her salary. If this is ₹ 13,260, find her salary.
- 16) Riyan got 410 marks out of 500 and Fayiz got 546 out of 700. Whose performance is better ? (Find percentage and compare)

- 17) 4 boats can carry 92 people. Find the number of boats required to carry 207 people.
 - 18) 9,900 students from a town appeared in Board Examination. Out of them 45% secured First class. Find the number of students who secured first class.
 - 19) The CP of an item is Rs 90 and SP is Rs 1,035. Find profit or loss percentage.
 - 20) Find the SP of an article whose CP is ₹ 750 and sold at a loss of 18%.
 - 21) A man buys an article for ₹ 1,800 and sells it for a profit of 15%. Find the SP of the article.
 - 22) Seema borrows ₹ 6,500 from a bank for 2 years at the rate of 6% per annum. Find the interest she has to pay. Also find the amount of money she has to pay back.
 - 23) By selling a buffalo for ₹ 28,500, farmer suffered a loss of 5%. Find the CP of the buffalo.
 - 24) The price of an item decreased from ₹ 2,070 to ₹ 1,800. Find the percentage decrease.
 - 25) Find the interest earned on ₹ 900 at 8% per annum for 2 years.
 - 26) Using 15ml of a fruit syrup Sudha can make 6 glasses of juice. How many glasses of juice can be prepared by using $\frac{1}{2}$ ltr of fruit syrup?
 - 27) In a class of 50 students, 48% are vegetarians. What percentage of the students are non-vegetarians? Also find how many vegetarians are in the class?
 - 28) In a book rack containing 80 books, 64 are novels. Find the percentage of novels.
 - 29) Convert 3 : 5 : 2 into percentage.
 - 30) By selling a bookshelf for ₹ 1,260, a shopkeeper gains 5%. Find the CP of the shelf?
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