

PRACTICE QUESTIONS
CLASS VII: CHAPTER - 8
COMPARING QUANTITIES

1. Find the ratio of 3 km to 300 m.
 2. A map is given with a scale of 2 cm = 1000 km. What is the actual distance between the two places in kms, if the distance in the map is 2.5 cm?
 3. 6 bowls cost Rs 90. What would be the cost of 10 such bowls?
 4. The car that I own can go 150 km with 25 litres of petrol. How far can it go with 30 litres of petrol?
 5. In a computer lab, there are 3 computers for every 6 students. How many computers will be needed for 24 students?
 6. Mala has a collection of bangles. She has 20 gold bangles and 10 silver bangles. What is the percentage of bangles of each type? Put it in the tabular form?
 7. Out of 25 children in a class, 15 are girls. What is the percentage of girls?
 8. Convert the given decimals to per cents: (a) 0.75 (b) 0.09 (c) 0.2
 9. Out of 32 students, 8 are absent. What percent of the students are absent?
 10. There are 25 radios, 16 of them are out of order. What percent of radios are out of order?
 11. A shop has 500 parts, out of which 5 are defective. What percent are defective?
 12. There are 120 voters, 90 of them voted yes. What percent voted yes?
 13. If 65% of students in a class have a bicycle, what percent of the student do not have bicycles?
 14. We have a basket full of apples, oranges and mangoes. If 50% are apples, 30% are oranges, then what percent are mangoes?
 15. A survey of 40 children showed that 25% liked playing football. How many children liked playing football?
 16. Find: (a) 50% of 164 (b) 75% of 12 (c) $12\frac{1}{2}\%$ of 64
 17. 8% children of a class of 25 like getting wet in the rain. How many children like getting wet in the rain.
 18. Rahul bought a sweater and saved Rs 20 when a discount of 25% was given. What was the price of the sweater before the discount?
 19. 9 is 25% of what number?
 20. 75% of what number is 15?
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21. Reena's mother said, to make *idlis*, you must take two parts rice and one part *urad dal*. What percentage of such a mixture would be rice and what percentage would be *urad dal*?
 22. If Rs 250 is to be divided amongst Ravi, Raju and Roy, so that Ravi gets two parts, Raju three parts and Roy five parts. How much money will each get? What will it be in percentages?
 23. Divide 15 sweets between Manu and Sonu so that they get 20 % and 80 % of them respectively.
 24. If angles of a triangle are in the ratio 2 : 3 : 4. Find the value of each angle.
 25. A school team won 6 games this year against 4 games won last year. What is the per cent increase?
 26. The number of illiterate persons in a country decreased from 150 lakhs to 100 lakhs in 10 years. What is the percentage of decrease?
 27. Find Percentage of increase or decrease: – Price of shirt decreased from Rs 80 to Rs 60. – Marks in a test increased from 20 to 30.
 28. My mother says, in her childhood petrol was Re 1 a litre. It is Rs 52 per litre today. By what Percentage has the price gone up?
 29. The cost of a flower vase is Rs 120. If the shopkeeper sells it at a loss of 10%, find the price at which it is sold.
 30. Selling price of a toy car is Rs 540. If the profit made by shopkeeper is 20%, what is the cost price of this toy?
 31. A shopkeeper bought a chair for Rs 375 and sold it for Rs 400. Find the gain Percentage.
 32. Cost of an item is Rs 50. It was sold with a profit of 12%. Find the selling price.
 33. An article was sold for Rs 250 with a profit of 5%. What was its cost price?
 34. An item was sold for Rs 540 at a loss of 5%. What was its cost price?
 35. Anita takes a loan of Rs 5,000 at 15% per year as rate of interest. Find the interest she has to pay at end of one year.
 36. Rs 10,000 is invested at 5% interest rate p.a. Find the interest at the end of one year.
 37. Rs 3,500 is given at 7% p.a. rate of interest. Find the interest which will be received at the end of two years.
 38. Rs 6,050 is borrowed at 6.5% rate of interest p.a.. Find the interest and the amount to be paid at the end of 3 years.
 39. Rs 7,000 is borrowed at 3.5% rate of interest p.a. borrowed for 2 years. Find the amount to be paid at the end of the second year.
 40. If Manohar pays an interest of Rs 750 for 2 years on a sum of Rs 4,500, find the rate of interest.
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41. You have Rs 2,400 in your account and the interest rate is 5%. After how many years would you earn Rs 240 as interest.
42. On a certain sum the interest paid after 3 years is Rs 450 at 5% rate of interest per annum. Find the sum.
43. In what time will Rs. 1860 amount to Rs. 2278.50, if simple interest is calculated at 9% per annum?
44. Simple interest on a certain sum is $\frac{16}{25}$ of the sum. Find the rate percent and the time if both are numerically equal.
45. In what time will Rs. 1600 amount to Rs. 1768 at 6% per annum simple interest?
46. At what rate percent per annum simple interest will a sum be double itself in 8 years?
47. At what rate percent per annum simple interest will a sum treble itself in 16 years?
48. A sum amounts to Rs. 3720 in 8 months at 5% per annum simple interest. Find the sum.
49. A sum of Rs 10,000 is borrowed at a rate of interest 15% per annum for 2 years. Find the simple interest on this sum and the amount to be paid at the end of 2 years.
50. A man got a 10% increase in his salary. If his new salary is Rs 1,54,000, find his original salary.
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