

## Chapter 8 - Comparing Quantities. (Practice)

- 1) Find the ratio of 3 km to 300 m.
- 2) Are the ratios 1:2 and 2:3 equivalent?
- 3) Following is the performance of a cricket team :
- | <u>Year</u> | <u>win</u> | <u>losses</u> |  |
|-------------|------------|---------------|--|
| Last year   | 8          | 2             | In which year the record better? How can you do? |
| This year   | 4          | 2             |  |
- 4) A map is given with a scale of  $2\text{ cm} = 1000\text{ km}$ . What is the actual distance between the two places in km, if the distance in the map is  $2.5\text{ cm}$ ?
- 5) 6 bowls cost Rs. 90. What would be the cost of 10 such bowls?
- 6) The car that I own can go 150 km with 25 litres of petrol. How far can it go with 30 litres of petrol?
- 7) Write  $\frac{1}{3}$  as per cent.
- 8) Out of 25 children in a class, 15 are girls. What is the percentage of girls?
- 9) Convert  $\frac{5}{4}$  to per cent.
- 10) Convert the given decimals to per cents :  
(a) 0.75      (b) 0.09      (c) 0.2
- 11) Find 50% of 100.

- 12) A survey of 40 children showed that 25% liked playing football. How many children liked playing football.
- 13) Rahul bought a sweater and saved \$ 20 when discount of 25% was given. What was the price of the sweater before the discount.
- 14) Reena's mother said, to make idlis, you must take two part rice and one part urad dal. What percentage of such a mixture would be rice and what percentage would be urad dal?
- 15) If \$ 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 be it in percentage?
- 16) A school team won 6 games this year against 4 games won last year. What is the percent increase?
- 17) The number of illiterate persons in a country decreased from 150 lakhs to 100 lakhs in 10 years. What is the percentage of decrease?
- 18) The cost of a flower vase is \$ 120. If the shopkeeper sells it at a loss of 10%, find the price at which it is sold?
- 19) Selling price of a toy car is \$ 540. If the profit made by shop-keeper is 20% what is the cost price of this toy?

20) Anita takes a loan of Rs. 5,000 at 15% per year at the rate of interest. Find the interest she has to pay at the end of one year.

21) If Manohar pays an interest of Rs. 750 for 2 years on a sum of Rs. 4,500, find the rate of interest.

22) If 25% of a number is 15, then find the number.

23) The price of an air cooler increased from Rs. 3500 to Rs. 4000. Find the increase percent.

24) Pawan borrowed Rs. 7500 at  $7\frac{1}{2}\%$  rate of interest per annum for 3 years. Find the amount to be paid at the end of 3 years.

25) The strength of a school is 2000. If 30% of the students are girls, how many boys are there in the school?

26) If Rs. 7000 is borrowed at 3.5% rate of interest per annum, find the amount to be paid at the end of the second year.

27) If Rs. 1280 is to be divided among three persons A, B, C in the ratio of 3:5:2, how much money will each one get? What will it be percentages?