COMPARING QUANTITIES

1. If A:B = 5:6 and B:C = 8:9, find A:B:C.
2. The ratio of male and female workers in a factory is 8:5. If there are 194 male workers, find the number of female workers in the factory.
3. Divide Rs. 880 between Rajan and Kamal in ratio $\frac{1}{5} : \frac{1}{6}$
4. If the weight of 6 sheets of a paper is 162gm. How many sheets of the same quality of paper would weigh 13.5kg?
5. A worker is paid Rs. 1110 for 6 days. If his total wages during a month are Rs. 4625, for how many days did he work?
6. A car can cover a distance of 357km on 42l of petrol. How far can it travel on 12l of petrol?
7. Out of her total monthly income, Mrs. Saxena spends 30% on house rent and 60% of the rest on household expenses. If she saves Rs. 6300 per month, what is her total monthly income?
8. In an examination, 96% of the candidates passed and 50 failed. How many candidates appeared?
9. A number is increased by 10% and then the increased number is decreased by 10%. Find the net increase or decrease percent.
10. By selling a chair for Rs. 1440, a trader gains 20%. Find the cost price of the chair.
11. An electrician sells a room heater for Rs. 3320, gaining $\frac{1}{6}$ of its cost price. Find his gain percent.
12. A man sold two radios at Rs. 4800 each. On one, he gains 20% and on the other he loses 20%. Find his gain or loss %.
13. At what time will Rs. 3600 amount to Rs. 4320 at 8% per annum S.I.?
14. At what rate percent per year S.I. will a sum treble itself in 16 years?