

**Dr. M.K.K. ARYA MODEL SCHOOL, PANIPAT**

**MATHS ASSIGNMENT**

**CLASS – VII**

**CH- 8 (Comparing Quantities)**

1. If 25 persons can dig a trench 36 m long in one day, then find the number of persons required to dig a trench 108 m long in one day?
2. Express 4 days: 2 weeks in the simplest form.
3. There are 2500 students in a school. Out of them 1100 are girls and the rest are boys. Find the ratio of
  - (i) Number of boys to number of girls.
  - (ii) Number of girls to number of students.
  - (iii) Number of students to number of boys.
4. Rina lost her weight in the ratio 5 : 3. Her original weight was 80 kg. What is her new weight?
5. Divide 84 toffees between two children in the ratio 5 : 7.
6. 16 articles cost ₹ 72. What will be the cost of 30 articles? How many articles can be bought for ₹ 207?
7. Find the value of  $7\frac{1}{2}\%$  of ₹ 56.
8. What per cent is 55 m of 1 km.
9. Increase 44 by 2.5 %
10. In which subject did Rajeev obtain the highest percentage?  
Maths: 325 out of 500      English: 240 out of 400  
Geography: 84 out of 150      Science: 132 out of 200
11. The monthly expenditure of a family on milk is ₹ 700. If the price of the milk is increased by 8%. Find the increase in the expenditure of the family on milk.
12. There are 160 pages in a book. 15% of the pages have pictures on them. How many pages do not have pictures on them?
13. The cost price of an article is ₹ 6250. Sudhir sells it at a loss of 24 %. Find its selling price.
14. Rahul bought a motor cycle for ₹ 45000 and paid ₹ 200 for its cartage. He sold it at a gain of 10%. What was Rahul's profit?
15. In how many years will ₹ 900 yield an interest of ₹ 324 at 12% per annum simple interest?
16. If ₹ 250 amounts to ₹ 285 in 2 years, find the rate per cent per annum.
17. A farmer borrowed ₹ 3600 at 15% interest per annum. At the end of 4 years he cleared his account by paying ₹ 4000 and a cow. Find the cost of the cow.
18. A man bought an article for ₹ 25 and sold it for ₹ 40. Find the profit or loss per cent.