



# INDIAN SCHOOL NIZWA - WORKSHEET

## Mathematics

### Chapter 8 Comparing Quantities

Name:

Class :VIII Sec:

1. In a school, out of 340 students, 55% students are of science stream. The remaining students are of commerce stream. Find the number of students of commerce stream.
2. The quantity of protein in 1 kg of a particular variety of pulse is 25% of the weight. Find the amount of protein in 4 kg of pulse in grams.
3. There are 1275 trees in Chaudhary Farm. Out of these, 36% trees are of fruit. How many trees of fruits are there in Chaudhary Farm?
4. A sofa-set was bought for ₹ 10000. Its value depreciated at the rate of 10% per annum. Find its value after two years.
5. A toy marked at ₹ 4000 is available for ₹ 3200. Find the discount percentage.
6. A bag is available for ₹ 90. The shopkeeper allows 10% discount on the marked price. What is the marked price of the bag?
7. Apala has ₹ 200 with her. She spent 80% amount she had. How much money is left with her?
8. A sum of ₹ 1600 at 5% p.a. compound interest amount to ₹ 1764. Find the time period.
9. On what principal, simple interest for five years at the rate of 6% is ₹ 90?
10. A TV was bought for ₹ 21,000. The value of the TV was depreciated by 5% per annum. Find the value of the TV after 3 years.
11. The population of a place increased to 54,000 in 2003 at a rate of 5% per annum.  
(i) Find the population in 2001. (ii) What would be its population in 2005?
12. What is the correct calculation to find the value of a car bought for ₹150000 after depreciating for 4 years at a rate of 2% per year?  
A.  $150000 \times 1.02^4$     B.  $150000 \times 0.02^4$     C.  $150000 \times 0.96^4$     D.  $150000 \times 0.98^4$
13. The population of a small town was 5600 in 2016. The population is expected to increase at a rate of 2.5% per year. How many people would you expect to live in the town in 2018?

14.	<b>Case Study Based Question:</b> An article is marked at ₹ 15000. If the rate of GST is 12%, find: (i) the amount of tax (under GST) paid by the consumer. (iii) the total amount paid by the consumer.
15.	<b>Case Study Based Question:</b> If marked price of a washing machine including GST is ₹30800. The rate of GST is 12% and then there is a discount of 5%. 1. Find the price of the washing machine after the discount. 2. Find the original price of the washing machine before GST was added.