



INDIAN SCHOOL DARSAIT
DEPARTMENT OF MATHEMATICS
WORKSHEET # 8



Subject : MATHEMATICS Topic : COMPARING QUANTITIES Date of Worksheet : 22/10/2018

Resource Person: Mrs. Indu.P

Name of the Student _____ Class & Division: _____ Roll Number : _____

SECTION A BASIC SKILLS		
Sl.No.	SECTION B CHAPTER BASED QUESTIONS	Marks
1.	12345×213	
2.	$250000 \div 120$	
3.	$23799 + 34512$	
4.	$340001 - 25002$	
5.	219×34.56	
1.	In a school fest, 50 % of the students participate in sports, 10 % in various cultural programmes and the rest in other activities. Find out the per cent of students that take part in other activities. Also find the exact number of students participating in each group of events if the total number of students in the school is 1650.	2
2.	The production of sugarcane in a state of India increases 8% annually. If the production of sugarcane in the year 2012 was 216 million tones, what was the production in 2011?	2
3.	The price of an article is reduced by 20 %. Find the original price of the article, if the reduced price is Rs 4000.	2
4.	Sahana purchased a bicycle for Rs 3500 and spent Rs.1000 on its repair. She sold it at a gain of 40 %. For how much did she sell the bicycle?	2
5.	The marked price of a sewing machine is Rs 2300. It is sold at a discount of 4%. Find the selling price of the sewing machine.	2
7.	The price of a computer is Rs 27000. The sales tax charged is 12 %. Find the amount that you will have to pay if you buy it.	2
8.	Renu purchased an air conditioner for Rs 40500 including 8 % VAT. What was the price before the inclusion of VAT ?	2



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9.	Find the compound interest on Rs 3000 for 2 years at 15 % per annum compound annually.	2
10.	Find the compound interest on Rs 1500 for $2\frac{1}{2}$ years at 10 % per annum compounded annually.	2
11.	The population of a town increases at the rate of 4% every year. If the present population of the town is 500000, compute the population of the town after 3 years.	2
12.	Find the amount and compound interest on Rs 10000 for 2 years at 20% per annum, if the interest is compounded half yearly.	2
13.	Abhimanyu invested Rs 100000 at 13 % per annum compounded annually. Find the following: (i) The amount standing to his credit at the end of the second year. (ii) The interest for the third year.	3
14.	Nirmal took a loan of Rs 60000 from a bank. The rate of interest is 10 % per annum. Find the difference in amounts she would be paying after $1\frac{1}{2}$ years if the interest is (i) Compounded half yearly (ii) Compounded annually.	3
15.	Mr. Vinod bought a jacket for Rs 5350 including 7% sales tax and a shirt for Rs 448 including 12 % sales tax. Find the marked price (without sales tax) of the jacket and the shirt together.	3
SECTION C HOT QUESTIONS		
1.	A Smartphone is bought at Rs 36000. Its value depreciates at the rate of 11.5 % per annum. Find its value after one year.	3
2.	Vanshika got 150 out of 200 and Sakshi got 120 marks out of 180. Whose performance is better.	2
3.	If a % is the discount percentage on a marked price x , find the discount .	1
4.	A bought a tape recorder for RS 8000 and sold it to B and B in turn sold it to C , each earning a profit of 20 % . Which of the following is true : a) A and B earn the same profit. b) A earns more profit than B. c) A earns less profit than B. d) Cannot be decided.	2