



INDIAN SCHOOL DARSAIT

DEPARTMENT OF MATHEMATICS



Subject : Mathematics Topic : comparing quantities (1) Date of Worksheet :

Resource Person: MrsPriyaBijukumar

Date : _____

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

SECTION - A

1	Find (a) 75% Of 5cm (b) 13% Of 6000	2
2	Raj earns Rs 25,000 per month and saves Rs 5,000 per month. Find the ratio of (a) Earnings to savings (b) Earnings to expenditure	2
3	Length and breadth of a rectangular field are 20 m and 15 m respectively. Find the ratio of the length to the breadth of the field.	2
4	Divide Rs 1500 between Minu and George in the ratio 5 : 7. How much will each of them get?	2

SECTION -B

1.	a) An item marked at Rs 220 is sold for Rs176 .What is the discount and discount percent? b) A cycle is sold at Rs 5,670 after allowing a discount of 5%.Find its marked price and the amount of discount.	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 2,300. It is sold at a discount of 4%. Find the selling price of the sewing machine.	2
6.	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
7	Renu purchased an air conditioner for Rs 40,500 including 8 % VAT. What was the price before the inclusion of VAT ?	2
8	Find the compound interest on Rs 3000 for 2 years at 15 % per annum compound annually.	2

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9	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
10	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
11	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
<u>*SECTION-C* (Hot questions)</u>		
1	Which of the two is greater? 80% of 90 or 90% of 80	
2	What percent of 15 is equal to 15% of 20?	
3	The weight of an object is 22.4 g in air and 19.6g in water .Find the percentage loss of its weight in water.	