MATHEMATICS

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Board – CBSE	Class – VII	Topic: Comparing Quantities

1. Find the ratio of 4 km to 400 m.
2. If six buckets cost Rs. 90, what would be the cost of 10 such buckets?
3. Convert the following into percentage

   a) $\frac{12}{16}$ b) 0.05   c) 3.5

4. A shop has 500 parts out of which 5 are defective. What percent are defective?
5. If Ram's salary is Rs. 50,000 per month, Ram spends 10% of his salary for helping the poor. Find how much salary he spends for helping the poor people? What value of Ram is depicted above?
6. If 8% children of a class of 25 like getting wet in rain how many children do not like getting wet in rain?
7. If three angles of a triangle are in the ratio 2:3:4, find the value of each angle.
8. If the marks of Rohit in a test increased from 20 to 30, find the percentage increase.
9. If the price of a shirt decreased from Rs.80 to Rs.60, find the percentage decrease.
10. Cost of an item is Rs.50, it was sold with the profit of 12%, find the selling price of the item.
11. A shopkeeper bought a table for Rs. 375 and sold it for Rs. 400, find his gain or loss percent.
12. An item was sold for Rs.540 at a loss off 5%, what was its cost price?
13. If Rita borrowed Rs.6050 at 6.5% rate of interest per annum, find the simple interest and the amount to be paid at the end of 3 years.
14. If you have Rs. 2400 in your account and the interest rate is 5% after how many years would you earn Rs.240 as interest?
15. On a certain sum the simple interest paid after 3 years is Rs. 450 at 5% rate of interest per annum. Find the sum.
16. Sebastian invested Rs. 2,500 in an account that paid him 9.25% simple interest. What will be the balance in his account after 5 years.?
17. Chocolates are bought at the rate of 6 for a rupee and then sold at 5 for a rupee. Find the gain per cent.
18. A painting is sold at a profit of 16%. Had it been sold for Rs. 15 more, then the profit would have been 20%. What is the cost price?