

ST THOMAS SCHOOL INDIRAPURAM

CLASS – VIII

WORKSHEET LEVEL - 1

SUBJECT – MATHEMATICS

1. If 16 % of  $x = 40$ , then  $x =$  \_\_\_\_\_.
2. The discount is always calculated on the \_\_\_\_\_
3. Find Simple Interest if  $P= \text{Rs } 1000$ ,  $R = 10\%$  and  $T= 2$  yrs. \_\_\_\_\_.
4. In case of compound interest , principal goes on \_\_\_\_\_ periodically.
5. In case of interest payable half yearly, then rate is \_\_\_\_\_.
6.  $3 : 8$  as a percent is? \_\_\_\_\_
7. Convert 9% to decimals. \_\_\_\_\_.
8. What percentage of 50 is 8? \_\_\_\_\_.
9. If 14% of a number is 63, find the number. \_\_\_\_\_.
10. What percent is 3% of 5%? \_\_\_\_\_.
11. Find the sum which amounts to Rs 1352 in 2 years at 4% compound interest.
12. Find the rate per cent p.a, if compounded yearly.  $P= \text{Rs } 196$ ,  $a= \text{Rs } 225$  and  $T= 2$  years.
13. In what time will Rs 8000 amount to Rs 9261 at 5% per annum compounded annually.
14. A certain sum amounts to Rs 1331 in 18 months at 20% p.a. compound interest compounded half yearly.
15. Find the difference between the simple interest and compound interest on Rs 16,000 for 18 months at 5% p.a. compounded annually.
16. The value of a machine depreciates each year by 10% of its value at the beginning of that year. Its value when new is Rs 750, find its value when it is 2 years old.
17. A shopkeeper sold two pairs of jeans for Rs 720 each, gaining 20% on one and losing 20% on the other. Find his gain or loss%.
18. A man buys a TV for Rs 6800. For how much should he sell it so as to-

(i) gain 10%    (ii) lose 5% on it?

19. A shopkeeper allows a discount of 20% on the marked price of an article, and sells it for Rs 896

a) Calculate the marked price of the article.

b) By selling the article at the discounted price if he still gains 12% on his cost price, what was the cost price?

c) What would have been his profit%, if he had sold the article at the marked price?

20. Ranjeeta purchased a set of cosmetics. She paid Rs 165 for it including sales tax. If the rate of sales tax is 10%, find the list price of the set.