PERL EDUCATION

DPP

DAILY PRACTICE PAPER

SIMPLE AND COMPOUND INTEREST

MATHEMATICS

CLASS 8TH

1. Find the simple interest on Rs. 3000 at 6% per annum for 3 years.

2. A sum of Rs. 14.000 is deposited in a bank for 4 years at the rate of 9% per annum simple interest. what will be the amount at the end of 4 years.

3. In how much time will a sum of money double itself at 20% per annum simple interest?

4. A sum of money deposited In a bank for a period of 5 years at 5% p.a simple interest earns an interest of Rs.3125. Find the sum.

5. Harsh borrowed a certain sum of money from Girish at $6\frac{2}{3}$ % simple interes., If he paid an interest of Rs.700 for 100 days, how much money did Hari borrow from Ginsh?

6. Sachin took a loan of Rs.30,000 from a bank for a period of 8months. At the end of 8 months, he returned an amount of 31.440. Calculate .
   a) the interest paid by Sachin.
   b) the rate of interest.

7. In 3 years Rs.4000 amounts to Rs.4720 at a certain rate of Interest. How much will Rs.5600 amount to in 4 years at the same rate of interest?

8. Find the compound Interest on Rs.10,000 at 15% per annum for2 years.

9. Find the compound interest, if Rs.6,000 is invested at 5% per annum compounded annually for 3 years.

10. Ali borrowed Rs.40,000 for 1 year at 12% per annum compounded half yearly from a friend. Calculate the amount to be paid by Ali to his friend at the end of the year.

11. Sameer gave a loan of Rs.55,000 to Deepak for a period of one year at 16% per annum compounded half yearly. How much interest will he earn n a year'?

12. A sum of Rs.8000 is invested at 8% per annum compounded quarterly. What is the amount after 6 months?

13. Salila lends Rs.5000 each to two friends Raina and Leena. Raina took the money at 4% rate of interest compounded annually for 2 years while Leena borrowed the money at 4% rate of interest compounded half yearly for a period of 1 year. What will be the difference in the amount that each of them paid back to Salila?

14. What will be the compound Interest on Rs.30,000 at 10% p.a compounded annually for 3 years?

15. A sum of Rs.1250 is deposited in a bank at 8% rate of interest p.a. compounded half yearly for 1 year. What will be the Interest earned in a year?

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1. Calculate the compound interest on a sum of Rs.25000 at 8% p.a. compounded annually for 2 years.
2. Calculate the amount oi a sum of 15000 at 12% p.o. compounded annually for 2 years.
3. A person took loan of Rs.80,000 from a bank at 15% rate of interest per annum compounded annually for 3 years. What will be the interest levied on the sum in three years.
4. Suneel deposited Rs.10000 in a bank. The bank gave an interest or 10% p.a. Suneel got Rs.13310 on completion of the term. For how much time did Suneel keep the money in the bank?
5. The compound interest on a sum of Rs.16,000 deposited in a bank for a period of 2 years is Rs. 9000. Find the rate of interest,
6. What will be the interest on a sum of Rs.48.000 invested for 1.5 years at 10% rate of interest p. a, compounded half yearly?
7. Calculate the amount and the compound interest on a sum of Rs.1,25,000 at 8% p.a. compounded quarterly yearly for 9 months.
8. Calculate the amount and the interest on a sum of Rs.88,000 invested for 1 year at 5% rate of interest p. a. compounded half yearly.
9. The difference between the compound interest and sample interest on a sum of money at 5% p.a for a period of a 2 years is Rs.486. If the interest is compounded annually, find the sum of money.
10. The difference between the compound interest and simple interest on a sum of money at 15% p.a. for a period of 3 years is Rs. 1701. If the interest is compounded annually, find the sum ob money.

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1. The present population of a city is 2,50,000. The rate of increase of population is 6% p.a. What will be the population of the city after 2 years?
2. A car purchased at a price of Rs. 7,50,000 depreciates at the rate of 22% each year. What will be the value of the car at the end of 3 years? By how much will it depreciate in 3 years?
3. An antique coin in the museum valued at Rs.32,000 appreciates at a rate of 10% every year, What will be its value after 3 years?
4. A plot of land Is valued at Rs.6,25.000 in 2011. The rate of inflation is 4,8% per annum. What would be the value of the plot in 2013 (2 years)?
5. In a school, the strength of students increased from 2400 in 2011 to 2646 In 2013. Calculate the rate at which the admissions have increased in the two years.
6. The number of visitors to a tourist spot increased from 25 lakh, in 2008 to 28 Lakh, in 2009. Calculate the rate of increase in the number of visitors to the tourist spot.
7. The population of a village decreased due to lack of schools and job opportunities in the village. Every year 10% people migrated to cities. If the population of the village was 75,000 two years ago, what will be the population one year hence? how many people would have migrated In the three years?
8. Mr. Mehra bought a holiday home for Rs.15,00,000. If its value appreciates by 8% every year, what will be its value after 3 years?

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1. Fill in the blanks.
   a) Amount s.l.+ _____.
   b) If P,R and T are the principal rate and time respectively. then Simple interest is given by the formula_____.
   c) Decrease in the value of a commodity over a period of time is called _____.
   d) The compound interest on Rs.2000 for 2 years at 10% p.a. = _____.
   e) The simple interest on Rs.10,000 for 1o years at 5% simple Interest _____.

2. A sum of money invested at 7% simple interest for 3 years yields an interest of Rs.1470. Find the sum.

3. Find the difference in simple interest and compound interest on a sum of Rs.50000 invested at 4% p.a. in two years.

4. The present population of a city is 1.10,000. The rate of increase of population is 20% p.a. What will be the population of the city after 2 years?

5. The price of a vehicle depreciates at the rate of 15% per annum. If the current price of a vehicle is Rs. 5,50,000, what will be the price of the vehicle after 2 years?