

Percentage and its applications

Section A – 1 mark

1. 75% of 1Kg is equal to

- a) 75gm. B) 0.75 gm. C) 750gm d) 75kg.

2. 65% of 1 litre is equal to

- a) 65ml b) 650ml c) 65l d) 0.65ml

3. The amount 20% less than 150 is

- a) Rs. 30 b) Rs. 170 c) Rs. 130 d) Rs. 12

4. The formula of Rate of simple interest is

- a) $\frac{S.I \times 100}{P \times T}$ b) $\frac{S.I \times 100}{P \times R}$ c) $\frac{S.I \times 100}{T \times R}$ d) None of these

5. $12\frac{1}{2}\%$ of $\frac{1}{2}$ kg is

- a) $62\frac{1}{2}$ g b) 62 g c) 50 g d) $50\frac{1}{2}$ g

6. 25% of one score pencil is

- a) 12 b) 20 c) 4 d) 5

7. 100 % of 1 litre is equal to

- a) 1 ml b) 100 ml c) 1 litre d) none of these

Section B – 2 marks

1. Find the simple Interest on Rs 450 at 6% p.a for 8 months.

2. Find the simple interest on Rs. 2,000 for 6 months at the rate of $4\frac{1}{2}\%$ per annum.

3. What is the percentage of prime numbers from 1 to 15?

4. There are 700 students in a school out of which 420 are boys. Find the percentage of girls.

5. Find $12\frac{1}{2}\%$ less than 16 hours

6. 25% of 10% of 1 kg.

7. What percent is 13 weeks of one year?

8. The monthly salary of Mohan is Rs. 950. If his salary increases by 6%, find his new salary.

Section C – 3 marks

1. Find the amount 20% less than Rs 150
2. A man buys a radio set for Rs900 sells it for Rs 972.What is his profit or loss percent?
3. Rohan's monthly earning IS RS.8, 000. He spent 75% of his income and saves the rest. How much money did he spend? What value you learn from this?
4. A man earns Rs. 12,000 and spends Rs.10,500. If he saves rest of the money, find the percentage of his savings. Why do we save money ?
5. Mr. Sen purchases a house for ₹ 2,80,000 and spends ₹ 50,000 on repairs. If he sells it for ₹ 4,10,000 ; find his profit percent.
6. A man buys a radio set for Rs 900 and sells it for Rs 972. What is his profit or loss percent?

Section D – 4 marks

- 1.The cost of a sari was Rs500. If the shop keeper allows a discount of 20%on the sari, what is cost of sari after discount?
2. Vaibhav deposits Rs3,000 in a bank for a period of 2 years. If the bank gives an interest of 5% per annum, find the amount Vaibhab would get back at the end of 2 years.
3. Prabhat deposited Rs 5000 in a bank which pays $5\frac{1}{2}$ % interst.After 3 year .He withdraws the money & buys an almirah for Rs4700.How much money is left with him ? What value you learn from this ?
4. Minati obtained 410 marks out of 500 in SA-I & Neha got 534 out of 600 marks. Find whose performance is better? What value you learn from this
5. Ramlal bought oranges at Rs. 30 per dozen. He had to sell them at a loss of 5% . Find the selling Price.
6. Nakul's father Mr. Gupta got transferred from Delhi to Mumbai. Mr. Gupta had deposited Rs. 55,000 in the Punjab National Bank two years before at 8% per annum. He closed the account and with the interest money he purchased gifts for his friends and family members.Nakul also got two jeans, two shirts and a video game as gift. Nakul, with the permission of his parents, gift one jeans and one shirt to Rahul, the son of milkman. Rahul was very happy and thanked Nakul for the gift.
 - a) How much money did Mr. Gupta get from bank?

b) How do you feel when you gift /donate anything to the needy?

7. Rohan won, 3,25,000. He donated 30% of the amount to a charitable trust and rest of the amount he distributed to his daughter and son equally. Find the amount each of his children got. Write two value shown by him.
8. John bought 100 eggs for Rs.40. Out of these, 4 eggs were found to be broken and he sold the remaining eggs at the rate of Rs.7.50 per dozen. Find his gain or loss percent.
9. Salim deposited Rs. 12,000 in a bank which pays 15% interest per year. Find the amount he is expected to get after $4\frac{1}{2}$ years. Why do we save money in bank?
10. Salim deposited Rs. 12000 in a finance company which pays 15% interest per year. Find the amount he is expected to get after 2 years and 6 months.
11. A trust has a fund of Rs. 3,00,000 . It donates 5% of the money to an orphanage. Find the money donated to the orphanage and which value is depicted by the trust.
12. Out of 1200 people, 800 know only English, 50 know only Punjabi and the rest know both the languages. Find the percent of (i) people who know only English
(ii) people who know both English and Punjabi