

CLASS VII

APPLICATION OF PERCENTAGE

WORKSHEET (BASIC)

VSA(1 mark)

Answer the following :-

1. What per cent is 25 of 60?
2. What is the value of 10% of 30 ?
3. Convert 2:5 into percentage.
4. Express 3 as a percentage of 20.
5. Find the selling price if cost price is Rs 20 and gain is 20% ?

Fill in the blanks :-

6. Profit or loss per cent are always calculated on ----- .
7. 5% of 400 gm = ----- gm
8. If the time T is in weeks, then we can convert it into year by dividing it by ----- .
9. 47% as a decimal equals to ----- .
10. Overhead expenses are included in the ----- price.

SA – 1(2 marks)

11. A watch was purchased for Rs 800 and was sold for Rs 1600. Find the profit or loss per cent ?
12. What is 20% of a number whose 35% is 70 ?
13. Find the sum of 16% of 25 and 10% of 90.
14. Find the value of 20% of 650gm.
15. Find the simple interest on Rs 184 for 2 years at 5% per annum.
16. Find the profit percent if an article of cost Rs 80 is sold for Rs 100?
17. Ajay saves 25% of his income. If his income is Rs 5100 per month, find his monthly saving.
18. Express $\frac{14}{75}$ as a percent ?
19. In a mathematics test, a student scored 48 marks out of 80. What is his percentage of mark ?
20. A man earns Rs 6000 in a month. If he spends Rs4000 , what per cent of his income does he save in a month?

SA -2(3 Marks)

Do as directed :-

21. Find the amount received on Rs 4000 for 2 years at the rate of 11% per annum?
22. What is the percentage increase when 288 is increased to 320 ?
23. At what rate of interest will Rs 350 amount to Rs 455 in 6 years ?
24. The price of a book is Rs 250. If there is an increase of 10% in the price ,what will be the new price of the book ?

25 . (i) If Rs 250 amounts to Rs 285 in 2 years , find the rate of interest per annum.

26. A man weighed 80 kg. After he had joined a fitness centre , he weighed 58 .By what percent did his weight reduce?

27.The length of a rope is decreased by $5\frac{1}{2}\%$.What is its new length if it was 200 m long?

LA(4 marks)

28.Mr. Singh deposited Rs 5500 in a bank which pays 14% interest per year.

Find the amount he will receive after 3 years?

29. Sunil obtained 750 marks out of 800 and Ravi obtained 540 marks out of 600.Whose performance is better ?

30.In Gita 's birthday party ,80% of her friends came and two friends did not come . Find the total number of friends she has.

Application of percentage

Worksheet (standard)

Class – VII

VSA(1mark)

Answer the following ?

1. Convert 12 : 75 into percentage.
2. Mr Mohan saves 33% of his income . What percent of his income does he spend ?
3. What per cent of 41.12 is 10.28 ?
4. A four metre elastic band is increased by 10% . Find its new length.
5. A student spends $7\frac{1}{2}$ hours out of 24 hours at school. What percentage of the day does he spend in school ?

SA – 1(2marks)

Answer the following ?

6. After a decrease of 35% , a number becomes 520. Find the original number.
7. By selling a motor cycle for Rs 23000 a dealer gains 15% . Find its cost price.
8. Write half of 1% as a decimal .
9. What percent is 55 m of 2km ?
10. Find the profit or loss percent if an article of cost Rs 3000 is sold for Rs 2500?

SA -2 (3 marks)

. Answer the following ?

11. Arun bought a car for Rs 3,50,000 . Next year , the price went upto Rs 3,70,000.What was the percentage increase in the price ?
12. If the cost price of 10 chairs be equal to the selling price of 16 chairs , find gain or loss per cent?
13. A batsman scored 110 runs which included 3 boundaries and 8 sixes. What per cent of his total score did he make by running between the wickets ?
14. If 40% of a number is equal to two third of another number , what is the ratio of first number to the second number ?
15. If the selling price of an article is one third of its cost price, then find the loss per cent?

LA (4 marks)

Solve the following : -

16. Anil sold two washing machines at Rs 12000 each. On one he gains 25% and on the other he loses 25%. How much does he gain or lose in the whole transaction.

17. A shopkeeper bought an oven for Rs 5000 and sold it for Rs 6500. He paid Rs 500 for transportation charges. Find his gain or loss percent.

18. Rohan borrowed Rs 50,000 at 12% per annum and cleared the account by paying Rs 40,000 and his motor cycle. Find the cost of his motor cycle.

19. 100 oranges are bought for Rs 450 and sold for Rs 48 per dozen. Find the profit or loss percent.

20. A man had given 25% of his money to his mother, 55% to his daughter and the remaining Rs 9000 to his brother. How much money is left with him? Also find the shares of his mother and daughter.

Application of percentage

Worksheet (Advanced)

CLASS – VII

VSA(1 mark)

Answer the following :-

1. What is the value of $3\frac{1}{3}\%$ of 1.5% of smallest six digit number ?
2. What per cent of $\frac{2}{7}$ is $\frac{1}{35}$?
3. If the C.P. of 6 articles is equal to the S.P. of 4 articles, find the gain percent?
4. If 40% of a number is 256, then what is the 25% of that number?

SA – 1(2 marks)

Answer the following:-

5. If $x\%$ of $\frac{25}{2}$ is 150 , then what is the value of x ?
6. What percentage of numbers from 1 to 30 has the digit 9 in the unit place ?
7. If the cost price is 25% of selling price, then find the profit per cent ?
8. In how much time would the simple interest on a certain sum be 0.125 times the Principal at 10% per annum ?

SA -2 (3 Marks)

9. A tank can hold 50 litres of water. At present , it is only 30% full . How many litres of water shall I put in the tank , so that it is 80% full ?

LA (4 marks)

10. A 60 lit tank was full of oil. Ram used 40% of it and poured the rest into a 40 lit tank.
 - (i) What per cent of the 40 lit tank was filled with oil ?
 - (ii) If Ram used 3 lit of oil daily , what per cent of oil in the 40 lit tank would be used in 10 days ?