

**PERCENTAGE
PROBLEMS WITH
ANSWERS
BY
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1. If 75% of a number is added to 75, the result is the number itself. Then the number is
Ans: 50
2. Subtracting 40% of a number from the number, we get the result as 30, the number is
Ans: 50
3. If three fifth of a number is 40 more than 40% of the same number. What is the number
Ans: 200
4. A number on subtracting 15 from it, reduces to its 80%. What is 40% of that number?
Ans: 30
5. Calculation shows that an angle is $37\frac{1}{2}\%$. The size obtained by drawing and measurement is 36%. The error percent is

Ans : 4

6. The population of a town has increased from 133575 to 138918. The percent increase in population is
Ans: 4
7. IF X is 90% of Y, what percent of X is Y?
Ans : 111.1
8. If x % of y is the as $\frac{4}{5}$ of 80, then the value of xy is
9. Subtracting 6% of x from x is equivalent to multiplying x by how much ?
Ans 94
10. If 8% of x = 4% of y, then 20% of x is
11. (X% of Y + Y% of X) = ?
Ans 2% of xy
12. If 90% of A = 30% of B and b = x% of A, then x is equal to
Ans: 300
13. X% of Y is y% of ?
Ans: x
14. A number increased $37\frac{1}{2}\%$ gives 33. The number is
Ans: 24

15. The number which when decreased by $27\frac{1}{2}\%$ given 87 is

Ans:120

16. 40 quintal is what percent of 2 metric tons?

Ans:200%

17. If it is known that 20% of the mangoes are rotten. If the number of rotten mangoes is 35, then the total number of mangoes is :

Ans:175

18. If 70% of students in a school are boys and the number of girls is 504, the number of boys is

Ans : 1176

19. A student has to secure 40% marks to pass. He gets 178 marks and fails by 22 marks. The maximum marks are :

Ans 500

20. A house owner was having his house painted. He was advised that he would require 25kg of paint. Allowing for 15% wastage and assuming that the paint is available in 2 kg cans, what would be the cost of paint purchased, if one can cost Rs.16? Ans :Rs.240

21. A reduction of 12.5% in the price of a dining table brought down its price to RS.4375, the original price (in Rs.) of the table was: Rs.5,000

22. Of the total amount received by Krian, 20% was spent on purchases and 5% of the remaining on transportation. If he is left with RS.1520, the initial amount was Ans:2000

23. In a library 20% books are in Hindi, 50% of the remaining are in English and the remaining 9000 are in various other languages. What is the total number of books in English?

24. Avinash spends 30% of his income on scooter petrol, $\frac{1}{4}$ of the remaining on house rent and the balance on food. If he spends Rs.300 on petrol, then what is the expenditure on house rent?

Ans:Rs.175

25. A man spends 35% of his income on house rent 75% of the remaining on other items. What percentage of income does he save

Ans: 16.25