

PERCENTAGE

Definition – Per cent means for every hundred. Fifty per cent means fifty for every hundred. So a fraction whose denominator is 100, is called a percentage and the numerator of the fraction is known as the rate of percentage. It is generally written by %.

Some Unsolved Example

Example 1- What is the fraction which is equivalent to 3/10 percent ?

Example 2- If the rate of sugar is increased by 20 %, how much per cent must a householder reduce his consumption of sugar so as not to increase his expenditure ?

EXERCISE

1. A baseball team has lost 7 games and has won 13 games. What per cent of the games played did they win ?

(a) 35 (b) 65
(c) 50 (d) 30
(e) None of these
2. 60 % of 35 is what per cent of 400 ?

(a) $5\frac{1}{4}$ (b) $10\frac{1}{2}$
(c) $12\frac{1}{2}$ (d) 6
(e) None of these
3. If 1 out of every 50 people who play a certain game win a prize, what per cent of people lose ?

- (a) 1 % (b) 2 %
(c) 99 % (d) 98 %
(e) None of these
4. The air consists of 79.2 % of Nitrogen, 20.7 % of Oxygen, 0.08 % of oer light gases and e remaining gas is Argon. Find out e volume of e air consisting one cubic metre of Argon.
- (a) 500 cu. metre (b) 50 cu. metre
(c) 5 cu. metre (d) 5000 cu. metre
(e) None of these
5. In an examination 49.3 % of total students appeared, passed successfully. If e number of successful candidates are 23128 how many students appeared (approx.) in the exam ?
- (a) 46913 (b) 45913
(c) 47913 (d) 46000
(e) None of these
6. A tank is filled 10 % in one hour and 8 % of e water is emptied in e next hour. If it is repeated again, find the percentage of tank filled with water.
- (a) 20 % (b) 4 %
(c) 19.2 % (d) 17.66 %
(e) None of these

7. If 20 % of man's salary is paid as rent, 60 % are his living expenses and 10 % is paid in L.I.C. If he spends remaining Rs. 30 on the education of the children, find his salary.
- (a) Rs. 300 (b) Rs. 100/3
(c) Rs. 3000 (d) Rs. 900
(e) None of these
8. A litre of water is evaporated from 6 litre of sugar solution containing 4 % of sugar. Find the percentage of sugar in remaining solution.
- (a) $3\frac{1}{3}$ (b) $4\frac{4}{5}$
(c) 4 (d) 5
(e) None of these
9. When the price of clove were reduced by 25 % the quantity of clo sold increased by 20 %. What was the effect on gross receipt of the shop ?
- (a) 5 % increase (b) 5 % decrease
(c) No change (d) 10 % increase
(e) None of these
10. Chinmoy sold his radio set at 10 % loss. If he had sold it for Rs. 45 more he would have made 5 % profit. For how much did he sell the radio ?
- (a) Rs. 315 (b) Rs. 270
(c) Rs. 300 (d) Rs. 345
(e) None of these
11. At what rate the sum will be twice in 15 years ?

- (a) $13\frac{1}{2}\%$ (b) $6\frac{2}{3}\%$
 (c) 5 % (d) 10 %
 (e) None of these

12. The sum of Rs. 725 is borrowed at the beginning of a year at interest. After 8 months have passed Rs. $362\frac{1}{2}$ more is borrowed at a rate of interest double at which the former sum bears. At the end of the year, the sum of interest on both loans is Rs. 43.50. What is the first rate of interest per annum ?
- (a) 6 % (b) 3.6 %
 (c) 4.5 % (d) 5 %
 (e) None of these

13. The cost price of goods with a bankrupt is Rs. 25,500 and if the goods had realized in their full value, his creditors would have received 85 paise in the rupee. But $\frac{2}{5}$ of the goods were sold at 17 % and the remainder at 22 % below their cost price. How many Paise in a rupee was received by the creditors ?
- (a) 82 paise (b) 68 paise
 (c) 67 paise (d) 65 paise
 (e) None of these

14. A carpenter undertakes to supply 2,000 tables at Rs. 17.25 each. He estimates that if 10 % are defective which will be sold at 50 %, then the profit will be 15 % on his whole outlay. When the tables were supplied, 70 % of the tables were found defective. What loss did the carpenter incur ?
- (a) Rs . 7,800 (b) Rs . 16,075
 (c) 4,666.25 (d) Rs . 6,075

(e) None of these

15. If Ramesh get 10 % more than Mohan, en Mohan gets.

(a) 10 % less than Ramesh

(b) 10 % more than Ramesh

(c) $9\frac{1}{11}$ % less than Ramesh

(d) $9\frac{1}{11}$ % more than Ramesh

(e) None of these

16. Out of a total population of 5,000 people in a village e men increased by 10 % and women by 15 %. Thus the total population becomes 5,600 in a year. Find how many men were ere in e village.

(a) 2000

(b) 3000

(c) 4000

(d) 2500

(e) None of these

17. e population of a town increases 10 % per year. If at the end of 1974 e population was 8,000, find out e population at e end of 1977.

(a) 968

(b) 9,680

(c) 10,648

(d) 880

(e) None of these

18. In a mixed school 20 % of e scholars are infants under 8, and e number of scholars above 8 is $\frac{2}{3}$ of e number of scholars of 8, and amounts to 48. Find e number of scholars in e school.

(a) 72

(b) 120

- (c) 80 (d) 150
(e) None of these

19. A man's working hours a day were increased 20 % and his wages per hour were increased by 15 %. By how much per cent were his daily earning increased ?

- (a) 38 % (b) 35 %
(c) 5 % (d) 40 %
(e) None of these

20. $3\frac{1}{2}\%$ of a man's income is taken in tax and $12\frac{1}{2}\%$ of the remainder is saved. He leaves Rs. 4,053 to spend. What is the income ?

- (a) Rs. 5000 (b) Rs. 4800
(c) Rs. 6408 (d) Rs. 4500
(e) None of these

Answer Key

1. b	6. d	11. b	16. b
2. a	7. a	12. c	17. c
3. d	8. b	13. b	18. d
4. d	9. e	14. d	19. a
5. a	10. b	15. c	20. b

NOTOPEDIA

© 2025 Notopedia All rights reserved.



info@notopedia.com

(mailto:hello@notopedia.com) (mailto:info@notopedia.com)



Material Add Request



Submit Material

School

(https://www.notopedia.com/school-board)

Sarkari Jobs

(https://www.notopedia.com/sarkari-jobs)

Sarkari Exams

(https://www.notopedia.com/sarkari-jobs-exam)

College Exams

(https://www.notopedia.com/college-entrance)

College Search

(https://www.notopedia.com/college-list)

Exam Calendar

(https://www.notopedia.com/exam-calender)

News

(https://www.notopedia.com/bulletin-board)

About us

(https://www.notopedia.com/about-us)

Contact

(https://www.notopedia.com/contact-us)

Legals

(https://www.notopedia.com/legals)

Face
(https://www.facebook.com/Notopedia) (httpTwitter
(https://twitter.com/notopedia) (https://twitteIns
(https://www.instagram.com/notopedia/) (htYou
(https://www.youtube.com/@notopedia) (htt