

## Lesson : 9

### I. Fill in the blanks

1. Percent means \_\_\_\_\_.
2. The term percent comes from the Latin words \_\_\_\_\_ which means \_\_\_\_\_.
3. The symbol for percentage is \_\_\_\_\_.
4. To express a fraction as percentage convert it into an equivalent fraction with denominator.
5.  $\frac{80}{100} = \underline{\hspace{2cm}} \%$
6.  $\frac{2}{100} = \underline{\hspace{2cm}} \%$
7.  $\frac{125}{100} = \underline{\hspace{2cm}} \%$
8. If the denominator of a fraction is 100 then the numerator gives \_\_\_\_\_ equivalent to the fraction.
9. A given percentage may be expressed as a fraction by dividing the no. of percentage by \_\_\_\_\_.
10. In a decimal fraction is we shift the decimal point \_\_\_\_\_ places to the right, we get the percentage.
11.  $0.02 = \underline{\hspace{2cm}} \%$
12.  $1.25 = \underline{\hspace{2cm}} \%$
13. 100% of Rs. 25 = \_\_\_\_\_
14. 50% of 100 = \_\_\_\_\_

**II. Convert these fractions into percentage**

1.  $\frac{1}{2}$       2.  $\frac{1}{4}$       3.  $\frac{3}{5}$       4.  $\frac{7}{10}$
5.  $\frac{15}{20}$       6.  $\frac{4}{25}$

**III. Express these percentage as fractions (in the lowest form)**

1. 20%      2. 75%      3. 25%      4. 45%
5.  $12\frac{1}{2}\%$       6.  $6\frac{1}{4}\%$       7. 120%      8.  $33\frac{1}{3}\%$

**IV. Express these as decimals**

1. 6%
2. 25%
3. 1%
4.  $4\frac{1}{2}\%$
5. 125%
6.  $33\frac{1}{2}\%$

**V. Express as percents**

1. 0.05
2. 0.75
3. 6.5
4. 3.5
5. 0.056

6. 0.025

**VI. Find the value of each of the following :**

1. 5% of 100                      2. 90% of 1000                      3.  $3\frac{1}{5}$ % of 500  
4. 5% of Rs. 90                      5. 250% of Rs. 80                      6. 30% of 20 Kg  
7. 10% of 100 g                      8. 40% of 50 marks                      9. 12.5% of 24 ml

**VII. Which of the two is more :**

1. 10% of 50 or 50% of 8  
2. 30% of 200 or 25% of 300

- VIII.** 1. Rom got 60 out of 80 in English. Find the percentage of marks he got in the two subjects. Which mark is better ?
2. In a class of 80 students, 30% are girls. Find the number of boys.
3. There are 1500 students in a school 80% of the total students are present in the school. How many students are absent on that day?
4. Anant got 17 out of 20 marks in a test. What percentage of marks did he get?
5. Out of 40 eggs 8 were damaged. What percentage of eggs were good?
6. Arun scored 80% of marks in a test which had 15 questions carry equal marks. How many questions did he answer correctly?
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