

## Worksheet

- In an election in a college, there are two candidates, Ram and Shyam, for the post of President. There are 6000 students in the college. 90% of the students participated in the election. Ram got 60% of votes and Shyam got the remaining votes. How many votes did Shyam get in the election?
- Rajni wanted to make vegetable biryani. She had taken 6 parts of rice and 2 parts of vegetables. What percentage of such a mixture would be rice and what percentage would be vegetables?
- A metallic compound contains 8% of aluminium. How much quantity of the aluminium is required to get 12 kg of the compound?
- Due to an error, a line segment of length 3.50 cm has been measured as 3.65 cm. Find the error percentage.
- Convert the following decimals into percentage.  
a. 0.197                      b. 0.3                      c. 0.00703                      d. 0.45
- Height of Rajesh is 80 cm. He gains a height of 20% in a year. What is his height after one year?
- Find the value of :  
a.  $7\frac{2}{3}\%$  of 76 cm                      b. 36% of ₹ 180  
c.  $12\frac{1}{5}\%$  of  $38\frac{4}{7}$                       d. 16% of ₹ 150
- In a class of 60 students, 40% students have opted for French language and the rest have opted for German language. How many students of the class have opted for German language?
- After reducing his weight by 5%, Raja's weight is 105 kg. What was his weight before reduction?
- It has been seen that the price of sugar has increased by 10% every year. The present price of sugar is ₹ 30 per kg. What will be the price of sugar after 2 years?
- Find value of:  
a.  $8\frac{2}{3}\%$  of 80                      b.  $4\frac{3}{2}\%$  of 20                      c.  $6\frac{3}{4}\%$  of 30
- In a class of 100 students, 40% students are girls. Also, 50% of the boys are vegetarians. Find the number of vegetarian boys in the class.
- Convert the following fractions into percentage.  
a.  $\frac{2}{5}$                       b.  $\frac{7}{10}$
- Height of Priya has increased from 140 cm to 145 cm in 6 months. What is the percentage increase in her height?

## Answers to Worksheet

1. Shyam got 2150 votes.
2. % of rice in veg. biryani = 75%  
% of veg. in veg. biryani = 25%
3. 960 g
4.  $4\frac{2}{7}\%$
5. a. 19.7%      b. 30%      c. 0.703%      d. 45%
6. 96 cm
7. a.  $5\frac{62}{75}$  cm      b. ₹ 64.80      c.  $4\frac{247}{350}$       d. ₹ 24
8. 36 students
9. 110.526 kg approx.
10. ₹ 36.30 per kg
11. a.  $\frac{104}{15}$       b. 1.1      c.  $2\frac{1}{40}$
12. Vegetarian Boys = 30
13. a. 40%      b. 70%
14.  $3\frac{4}{7}\%$