



- Percentage as Fraction and Fraction as Percentage



- Increasing/Decreasing a number by $x\%$



- Finding % Increase/Decrease



- Finding % of a number (Split the %)



- Finding % of a number (Split the number)



- Use Fraction wherever possible.



Q.1) If 25% of a number is 75, then 45% of that number is:

- a)145 b)125 c)150 d)135



Q.2) What is 20% of 50% of 75% of 70?

a) 5.25 b) 6.75 c) 7.25 d) 5.5



Q.3) 50% of a% of b is 75% of b% of c. Find the value of c.

a) $1.5a$

b) $0.667a$

c) $0.5a$

d) $1.25a$



Q.4) A fruit seller had some apples. He sells 40% apples and still has 420 apples. Originally, he had:

a)588

b)688

c)672

d)700



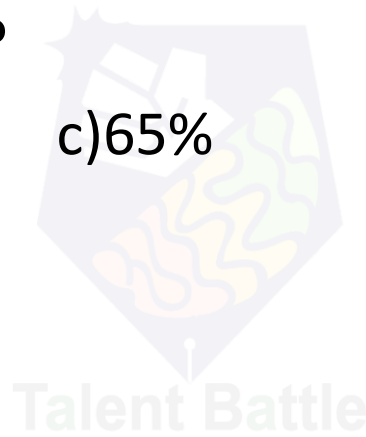
Q.5) Three candidates contested an election and received 1136, 7636 and 11628 votes respectively. What percentage of the total votes did the winning candidate get?

a)57%

b)60%

c)65%

d)90%



Q.6) I read $\frac{3}{8}$ of a book on one day and $\frac{4}{5}$ of the remainder on another day. If now there were 30 pages unread, the book contains:

a) 240 pages

b) 230 pages

c) 340 pages

d) 140 pages



Q.7) Population of a village is 8000. If 6% men and 10% women are added, population becomes 8,600, then the number of men in the village was:

- a) 4800 b) 5000 c) 5060 d) 6000



Q.8) The population of a village decreases at the rate of 20% per annum. If its population 2 years ago was 10000, what is its present population?

- a) 6000 b) 10000 c) 6400 d) 7600

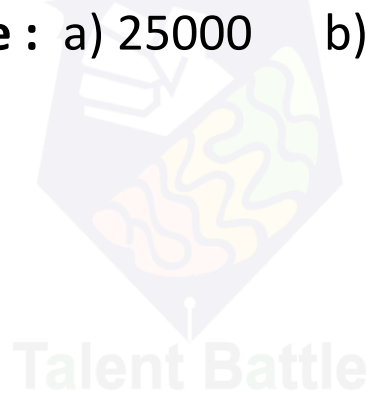


Q.9) Arun got 30% of the maximum marks in an examination and failed by 10 marks. However, Sujith who took the same examination got 40% of the total marks and got 15 marks more than the passing marks. What were the passing marks in the examination?

- a) 85 b)250 c)125 d)None**



Q.10) 10% of the voters did not cast their vote in an election between two candidates. 10% of the votes polled were found invalid. The successful candidate got 54% of the valid votes and won by a majority of 1620 votes. The total numbers of voters enrolled for election were : a) 25000 b) 33000 c) 35000 d) 40000



Q.11) What percent is 2 minutes 24 seconds of an hour?

a)6%

b)2%

c)4%

d)8%



Q.12) Two numbers are respectively 20% and 50% more than a third number. The ratio of the two numbers is:

a) 2:5

b) 3:5

c) 4:5

d) 5:4



Q.13) In an exam 80% of the boys and 40% of the girls passed. The number of girls who passed is 120, which is $\frac{2}{3}$ rd of the number of boys who failed. What is the total number of students who appeared for the exam?

a)1200 b) 380 c)3800 d)2180

