

Aptitude Assignment 6

1. A does $\frac{4}{5}$ th of work in $\frac{3}{5}$ of time as compared to B. Together they finish the work in 12 days. In how many days A alone will complete the work?
2. 1 man , 3 women and 4 children finish work in 96 hours while 2 men and 8 children finish the work in 80 hours, and 2 men and 3 women finish the same work in 120 hours. Find the time in which the work can be completed by 10 men and 5 women?
3. The sales of a cinema ticket increase by $57\frac{1}{7}\%$, and the price of tickets also increases by $16\frac{2}{3}\%$. Find the percentage increase in the revenue collection?
4. In a garrison, there was sufficient food for 1600 soldiers for 60 days. Each soldier consumes 900 grams of food every day. After 40 days, 400 soldiers left the camp. How long the food will last for the remaining soldiers if they consume 1000 grams of food every day.
5. A dealer sold a bicycle at a profit of 10%. Had he bought the bicycle at 10% less price and sold it at a price Rs. 60 more, he would have gained 25%. The cost price of the bicycle was?



ANSWERS:-

- 1) A alone can complete the work in $48/7$ days.
- 2) The work can be completed by 10 men and 5 women in 24 hours.
- 3) There is a decrease in revenue by 7.43%.
- 4) The remaining food will last for 24 days for the remaining soldiers if they consume 1000 grams of food every day.
- 5) The cost price of the bicycle is 2400/-.