

# JSUNIL TUTORIAL

PUNJABI COLONY GALI 01

Class 8<sup>th</sup>

Time and Work-2

01. 8 taps having the same rate of flow fill a tank in 27minutes. If two taps go out of order, how long will the remaining taps take to fill the tank?
02. 12 men can repair a road in 28 days. how long will 84 men take to do so?
03. 15pumps can empty a reservoir in 24hours. In how many hours can 45such pumps do the same work?
04. 4 people can finish a piece of work in 6hours; how many can do it in 4hours?
05. 20 men produce 3000 articles in 12days. How long should 15men take?
06. 12men can dig a pond in 8days. How many men can dig it in 6days?
07. A car can finish a certain journey in 9 hrs. the speed of 72km/h. By how much should its speed be increased so that it may take only 8hto cover the same distance?
08. A garrison of 500 men had provision for 24days. However a reinforcement of 300men arrived. Now for how many days the food will last?
09. If 36men can do a piece of work in 25days, in how many days can 15men do it?
10. If 32men can reap a field in 15days, in how many days can 20men reap the same field?
11. If 5men or 7women can earn Rs875per day, how much would 10men and 5women earn per day.
12. Rani types 450 words in half an hour. How many words would she type in 12minutes?
13. 6 oxen or 8cows can graze a field in 28days. How long would 9 oxen and 2 cows take to graze the same field?
14. 70 patients in a hospital consume 1350litresof milk in 30days. At the same rate, how many patients will consume 1710litresin 28days?
15. Five machines, when operated for 9hourseach day can harvest a farm in 16days. How many days would 8machines take to harvest the same farm, if each machine is now operated for 10hoursa day?
16. If 20 men can build a 112 m long wall in 6days, what will be the length of a similar wall that can be built by a 25men in 3days?
17. A fort had provision for 300 men for 90 days. After 20days, 50 men left the fort. How long would the food last at the same rate?
18. If 270kg of corn would feed 42 horses for 21days, for how many days would 360kg of it feed 21 horses?
19. A garrison of 500 men had provision for 24days. However a reinforcement of 300men arrived. Now for how many days the food will last?
20. If Ram is paid Rs810 for 9 hours of work, then how much will he be paid for 19hours of work?