

COMPOUND PROPORTIONALITY PROBLEMS

1. A farmer has needed 294 kilos of food to feed 15 cows for a week. How many kilos of food does the farmer need to feed 10 cows for 30 days?
2. A team of workers will build a wall of 400 m² in 15 days if they work 8 hours everyday. How long will they take if the wall has 600 m² and they work 10 hours everyday?
3. 195 men working 10 hour a day can finish a job in 20 days. How many men employed to finish the job in 15 days if they work 13 hours a day.
4. 6 printers have printed 100 books in 4 days. How many days will it take to print 50 books if we have 4 printers?
5. A group of workers built up a wall of 600 m² in 18 days working 10 hours per day. How many square meters will they build up in 15 days if they work 8 hours a day?
6. A farmer needs 600 kilos of fodder to feed 40 cows during 8 days. For how many days can 20 cows be fed with 1500 kilos of fodder?
7. One person needs 8 days to read a book if he/she reads 15 pages per hour during 3 hours a day. How many hours per day should he/she read in order to finish the book in 20 days if he/she reads 9 pages per hour?
8. If 5 trucks transport 120 tons of goods in 2 days: How many goods will 7 trucks transport in 3 days?
9. It takes 15 days for a team of 10 workers working 8 hours a day to finish an order. How many persons with part time jobs will be needed to make the same work in 10 days?
10. In a central post office, 2 machines categorize 1600 packages in 8 hours. How many machines are needed to categorize 2400 packages in 6 hours?