1. A, B and C finish a work in 10, 20 and 30 days respectively. In how many days they will finish the work, working together?

2. A and B can do a work in 15 and 30 days respectively. If they work with C, the work is finished in 8 days. In how many days C alone can finish the same work?

3. A and B can do a work in 12 days. If A alone does the work in 30 days, in how many days can B finish the work?

4. A does half the work in 5 days and B finish the complete work in 30 days. In how many days they can finish twice the work, if they work together?

5. A and B can complete a work in 30 days. They started the work and after 20 days B left. The remaining work was finished by A alone in 20 more days. In how many days A can complete the work, working alone?

6. A can do a bit of work in 18 days which B can alone do in 24 days. They start together however 10 days before the completion of the work, A leaves off. The total no. of days for the work to be finished is:

7. A and B can do a bit of work in 45 days and 40 days. They started the work together however A left after a few days and B completed the remaining work in 23 days. After how long did A leave?

8. A and B can finish a work in 12 days and 18 days separately. If they work on alternate days starting from A, in how many days the work will be completed?

9. A can do a bit of work in 10 days and B can do it in 20 days. They begin the work together but B leaves after 4 days. In how many days, A can do the remaining work?

10. A and B together can finish a bit of work in 12 days, B and C can do it in 20 days and C and A do it 15 days. In how many days A, B and C together can finish the same work?

11. A is 20% less efficient than B. If A can finish a bit of work in 45/2 hours, then in how much time B can do the same work?

12. A can do half of the work in 6 days and B can do $1/3^{rd}$ of the work in 5 days. In how many days A and B can finish $4/7^{th}$ of the work, working together?

13. An inlet pipe fills a tank in 30 min and an outlet pipe empties it in 45 min. If both pipes are opened together, in how many minutes the tank will be full?

14. Two inlet pipes can fill a tank in 20 and 30 min respectively and an outlet pipe empties it in 60 min. If all of them are opened together, in how many minutes the tank will be full?

15. Two pipes A and B can fill the tank in 20 and 25 min respectively. If both pipes are opened alternately for one minute starting from A, in how many minutes the tank will be full?

16. Three inlet pipes A, B and C fill a tank in 10, 20 and 30 min respectively. An outlet pipe D empties it in 25 min. If all of them are opened for one minute each in the sequence A-B-C-D, which pipe will be open when the tank is filled?

17. A pipe can fill a tank in 40 min. Mangesh opened the tap and left for some work. However, when he came back after 15 min, realized that an outlet tap was also accidently left open. He closed it and then the tank was filled after 30 more minutes. In how much time, the outlet tap can empty the tank?

18. 20 women take 20 minutes to make 40 burgers. How many burgers can 100 women make in 200 minutes?

19. 45 men can finish the given task in 96 days, working 8 hours/day. If 48 men take up the assignment and commit to finish it in 60 days, how many hours will they need to work per day?

20. 8 men can do a work in 12 days. 4 women can do it in 48 days and 10 children can do it in 24 days. In how many days can 10 men, 4 women and 10 kids together finish the work?

21. A man, 2 women or 3 children finish the same work in 30 days. In how many days 2 men, 2 women and 6 children finish the same work?

22. A ship was stocked with food to last for 60 days for 1800 sailors. However, some sailors could not board the ship and the food could last for 80 days. How many sailors could not board the ship?

23. 3 men can build a stage in 18 days while 6 boys can also do it in 18 days. If 6 men and 6 boys work on the assignment together, how many days will they take to finish it?

24. Number of books bound by a child is half the number of books a man can bind. 10 men and 4 children take 20 days to bind all the books. If there are 20 men and 5 children working on the assignment, how many days will they take to bind all the books?

25. 3 inlets, opened for 10 hours a day, can fill a reservoir completely in 4 days. For how many hours a day must 5 inlets be opened to fill the reservoir completely in 3 days?

26. A can finish a work in t+24 days and B can finish it in t+54 days. If both of them can finish the same work t days working together, find the value of t.

27. A and B can do a piece of work in 18 and 15 days respectively, but with the help of C, they can finish it in 6 days only. If they do it together for ₹36000, find the share of C.

28. A, B and C are inlet pipes which fill a tank in 12 min, 15 min and 24 min respectively. An outlet pipe D empties the same tank in 30 min. If each pipe is opened alternately for one minute in the repeated sequence of C-A-D-B, find which pipe will be open when the tank is full? In how much time (in minutes and seconds) the tank will be full?

29. If 15 men and 9 women can do in two days as much as 8 men and 10 women do in three days, how much should a man be paid a day if a woman is to get ₹500/day?

30. A, B and C can finish a work in 15, 30 and 25 days respectively. A and B start the work and C joins them after 3 days. B leaves after 2 more days and A leaves the work after 3 more days. C completes the remaining work. Find the share of each, if the total work is undertaken for ₹60000.

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www.nachiketjoshi.in
nj@nachiketjoshi.in
+91 9850 123 664 nj_anandyatri
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