

Time & Work

Individual / Combined Work:

1. A completes the work in 10 days and B completes the work in 15 days. In how many days they will complete the work.
2. A and B together can finish a work in 9 days. A alone can finish the work in 12 days. In how many days will B alone finish the work?
3. X and Y can complete a task in 16 days; Y & Z can complete the same task in 24 days and X, Y & Z together can complete in 12 days. The time taken by X & Z together to complete the task is?

Alternative days

4. A can do a work in 10 days, B can do it 15 days. In how many days they will finish it if the work is started by A?
5. A, B and C can do a piece of work in 20, 30 and 60 days respectively. In how many days can A do the work if he is assisted by B and C on every third day?

Remaining Work:

6. A can do the piece of work in 20 days which B can do in 12 days. B worked at it for 9 days. A can finish the remaining work in
7. A can complete a work in 25 days, B can do it in 20 days, A started the work and after 10 days B also joined him. How many days does the work last?
8. A can complete a piece of work in 18 days, B in 20 days and C in 30 days, B and C together start the work and are forced to leave after 2 days. The time taken by A alone to complete the remaining work is:
9. A, B and C can do a piece of work in 24, 30 and 40 days respectively. They began the work together but C left 4 days before completion of the work. In how many days was the work done?

Efficiency Based:

10. Sakshi can do a piece of work in 20 days. Tanya is 25% more efficient than Sakshi. The number of days taken by Tanya to do the same piece of work is?
11. A is twice as good a workman as B and together they finish a piece of work in 14 days. The number of days taken by A alone to finish the work is
12. A is thrice as good a workman as B and takes 60 days less than B for doing a job. The time in which they can do it together is:

Amount Split

13. A alone can do a piece of work in 6 days and B alone in 8 days. A and B undertook to do it for Rs. 3200. With the help of C, they completed the work in 3 days. How much is to be paid to C?
14. A can do the work in 30 days, B can do it in 40 days, they worked together and got Rs.7000. How much is to be paid to B?

Chain Rule

15. 20 laborers working 7 hours a day can finish a piece of work in 30 days. If the laborers work 5 hours a day, then will the number of laborers finish the same piece of work in 40 days?
16. 12 men can complete one-third of work in 8 days. In how many days can 16 men complete the rest of the work?
17. 100 Men were employed to finish a work in 180 days. After 60 days it was found that only $\frac{1}{5}$ of the work was done. How many more men must be employed to finish the work in the stipulated time?

Group of Male & Female or Boys

18. If 12 men or 18 women can reap a field in 14 days, then working at the same rate, 8 men and 16 women can reap the same field in:
19. 4 men and 6 women finish a job in 8 days, while 3 men and 7 women finish it in 10 days. In how many days will 10 women working together finish it?