TIME AND WORK

1. A can complete a job in 16 days and B can do the same job in 12 days. With help of C, they did the job in 4 days only. Then, C alone can do the job in:

a) 9 1/5 days b) 9 2/5 days c) 9 3/5 days d) 9 4/5 days

2. A can complete a job in 16 days. B can do the same job in 24 days. They started working together but after some days A left the job. B alone completed the remaining work in 9 more days. After how many days A left the job.

a. 5 b. 6 c. 7 d. Can't be determined

3. A and B can do a piece of work in 12 days and 16 days respectively. Both work for 4 days and then B goes away. Find how long will A take to complete the remaining work?

a) 5 days b) 9 days c) 6 days d) 4 days

4. A can complete a job in 12 days while B can do the same job in 15 days. They worked together for 3 days then C joined them. The remaining work completed in 3 more days. In how many days C alone can complete the job?

a)18 b) 20 c) 24 d) 30

5. A, B and C can do a piece of work in 24, 30 and 40 days respectively. They start the work together but C leaves 4 days before the completion of the work. In how many days is the work done?

a) 9 days b) 10 days c) 11 days d) 12 days

6. A can do a work in 8 days, B can do a work in 7 days. A works on the first day, B works on the second day and so on. When will they finish the work.

a) 7.5 days b) 3.5 days c) 14 days d) 12 days

7. 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?

a) 10 days b) 20 days c) 15 days d) 25 days

8. A and B can do a piece of work in 24 days; B and C in 30 days; C and A in 40 days. If A, B & C work together they will complete the work in

a) 10 days b) 20 days c) 17 days d) 15 days

9. A and B together can complete a job in x days, A alone can do it x+2 days, B alone can do it in x+8 days. What is the value of x?

a) 2 b) 4 c) 6 d) 8

10. A is thrice as good a workman as B and Takes 10 days less to do a piece of work than B takes.B alone can do the while work work in :
a) 12 days b) 15 days c) 16 days d) 18 days

11. 5 men or 8 women can complete a work in 84 days. In how many days 10 men and 5 women can complete the same work
a) 12 days b) 24 days c) 32 days d) 36 days

12. 8 boys or 24 girls can complete a job in 8 days. The job is to be completed in exactly 12 days with at least one boy & one girl working. Find the maximum number of people required to complete the job?
a) 16 b) 14 c) 15 d) 13

13. 4 men and 6 women can complete a work in 8 days, while 3 men and 7 women can complete it in 10 days. In how many days will 20 women complete it?
a) 10 days b) 15 days c) 20 days d) 25 days

14. A and B undertake to do a piece of work for Rs.3200. A alone can do it in 12 days while B alone can do it in 16 days. With the help of C, they can finish it in 6 days, Find the share of C.
a) Rs.500 b) Rs.600 c) Rs.400 d) Rs.300

15. P can complete a work in 12 days working 8 hours a day. Q can complete the same work in 8 days working 10 hours a day. If both p and Q work together, working 8 hours a day,in how many days can they complete the work?
a) 60/11 b) 61/11 c) 71/11 d) 72/11

16. Two men and three women working 7 hours a day finish a work in 5 days. Four men and four women working 3 hours a day complete the work in 7 days. The number of days in which only 7 men working 4 hours a day will finish the work is?
a) 5 days b) 6 days c) 4 days d) 10 days

17. 50 men can complete a work in 65 days.Five days after started the work, 20 men left the group. In how many days can the remaining work be completed
a) 50 days b) 100 days c) 75 days d) 80 days

18. If 34 men completed 2/5th of a work in 8 days working 9 hours a day. How many more man should be engaged to finish the rest of the work in 6 days working 9 hours a day?
a) 26 b) 32 c) 34 d) 38

19. 3 men, 4 women and 6 children can complete a work in 7 days. A woman does double the work a man does and a child does half the work a man does. How many women alone can complete this work in 7 days ?
a) 5 b) 6 c) 7 d) 8

20. A swimming pool can be filled by an inlet pipe in 10 hours and emptied by an outlet pipe in 12 hours. One day the pool is empty and the owner opens the inlet pipe to fill the pool. However, he forgets to close the outlet. With both the pipes open, how long will it take to fill the pool?
a) 50 hours b) 60 hours c) 40 hours d) None of these

21. Two pipes can fill a tank in 20 hours and 30 hours respectively. If the pipes are open for 15 hours what amount of water as a percentage of the capacity of the tank would have overflowed?
a) 50% b) 60% c) 25% d) 100%

22. A pipe can fill an empty tank in 40 mins. If the tank is already filled to two-fifths capacity, then how much time will the pipe take to fill the tank to 3/4th of its capacity?
a) 14 mins b) 10 mins c) 25 mins d) 21 mins

23. A pipe can fill a tank in 6 hours, Due to leakage in the tank it takes half an hour more to fill the tank. How long will it take to empty the filled tank only through leakage?
a) 12 hours b) 13 hours c) 72 hours d) 78 hours

24. Two taps A and B can fill a tank in 5 hours and 20 hours respectively. If both the taps are open then due to a leakage, it took 40 minutes more to fill the tank. If the tank is full, how long will it take for the leakage alone to empty the tank?
a) 28 hr b) 16 hr c) 22 hr d) 32 hr

25. Tap A can fill a tank in 20 mins and tap B can empty it in 30 mins. Both were opened simultaneously and after some time tap B was closed. If the tank was filled in 30 min, then what is the duration for which tap B was open?
a) 18 min b) 25 min c) 15 min d) 20 min