Man leaves and joins

1) A and B can complete a work in 15 days and 10 days respectively. They started doing the work together but after 2 days, B had to leave and A alone completed the remaining work. The whole work was completed in :

a) 8 days b) 12 days
c) 15 days d) 10 days

2) A and B working separately can do a piece of work in 10 days and 15 days respectively. If they work on alternate days beginning with A, in how many days will the work be completed?

a) 13 days b) 12 days
c) 6 days d) 18 days

3) A and B can do a piece of work in 30 days while B and C can do the same work in 24 days and C and A in 20 days. They all work together for 10 days when B and C leave. How many days more will A take to finish the work ?

a) 24 days b) 30 days
c) 36 days d) 18 days

4) A can do a 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

a) 7 days b) 11 days
c) 3 days d) 5 days

5) A and B alone can complete work in 9 days and18 days respectively. They worked together; however 3 days before the completion of the work A left. In how many days was the work completed ?

a) 8 days b) 6 days
c) 5 days d) 13 days

6) A can finish a work in 24 days, B in 9 days and C in 12 days. B and C start the work but are forced to leave after 3 days. The remaining work was done by A in :

a) 6 days b) 10 days
c) $10\frac{1}{2}$ days d) 5 days

7) A and B can complete a piece of work in 12 and 18 days respectively. A begins to do the work and they work alternatively one at a time for one day each. The whole work will be completed in

a) $15\frac{2}{3}$ days b) $16\frac{1}{3}$ days
c) $18\frac{2}{3}$ days d) $14\frac{1}{3}$ days

8) A and B can together finish a work in 30 days. They worked together for 20 days and then B left. After another 20 days, A finished the remaining work. In how many days A alone can finish the job ?

a) 60 days b) 48 days
c) 54 days d) 50 days

9) A, B and C can complete a work in 10, 12 and 15 days respectively. They started the work together. But A left the work before 5 days of its completion. B also left the work 2 days after A left. In how many days was the work completed?

a) 5 days b) 7 days
c) 8 days d) 4 days

10) A and B can do a work in 45 days and 40 days respectively. They began the work together but A left after some time and B completed the remaining work in 23 days. After how many days of the start of the work did A leave ?

a) 9 days b) 8 days
c) 5 days d) 10 days

11) A and B can do a piece of work in 12 days and 15 days respectively. They began to work together but A left after 4 days. In how many more days would B alone complete the remaining work ?

a) $\frac{25}{3}$ days b) 6 days
c) 5 days d) $\frac{20}{3}$ days

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12) A and B together can complete a work in 12 days. A alone can complete in 20 days. If B does the work only half a day daily, then in how many days A and B together will complete the work ?

a) 20 days b) 11 days
c) 15 days d) 10 days

13) A and B can separately complete a piece of work in 20 days and 30 days respectively. They worked together for some time, then B left the work. If A completed the rest of the work in 10 days, then B worked for

a) 8 days b) 12 days
c) 16 days d) 6 days

16) A and B can do a piece of work in 20 days and 12 days respectively. A started the work alone and then after 4 days B joined him till the completion of the work. How long did the work last ?

a) 20 days b) 15 days
c) 6 days d) 10 days

17) A can do a piece of work in 18 days and B in 12 days. They began the work together, but B left the work 3 days before its completion. In how many days, in all, was the work completed?

a) 10 days b) 9.6 days
c) 9 days d) 12 days

18) A can complete a piece of work in 10 days, B in 15 days and C in 20 days. A and C worked together for two days and then A was replaced by B. In how many days, altogether, was the work completed ?

a) 10 days b) 6 days
c) 8 days d) 12 days

19) A and B can do a work in 18 and 24 days respectively. They worked together for 8 days and then A left. The remaining work was finished by B in :

a) $5\frac{1}{3}$ days b) 8 days
c) 10 days d) 5 days

20) X alone can complete a piece of work in 40 days. He worked for 8 days and left. Y alone completed the remaining work in 16 days. How long would X and Y together take to complete the work ?

a) 14 days b) 15 days
c) $16\frac{2}{3}$ days d) $13\frac{1}{3}$ days

21) 8 men can do a work in 12 days. After 6 days of work, 4 more men were engaged to finish the work. In how many days would the remaining work be completed?

a) 3 b) 4
c) 5 d) 2

22) 40 men can complete a work in 40 days. They started the work together. But at the end of each 10th day, 5 men left the job. The work would have been completed in

a) $53\frac{1}{3}$ days b) 52 days
c) 50 days d) $56\frac{2}{3}$ days

23) A and B can do a piece of work in 28 and 35 days respectively. They began to work together but A leaves after sometime and B completed remaining work in 17 days. After how many days did A leave ?

a) 9 days b) 8 days
c) $7\frac{5}{9}$ days d) $14\frac{2}{5}$ days

24) A man and a boy can complete a work together in 24 days. If for the last six days man alone does the work then it is completed in 26 days. How long the boy will take to complete the work alone ?

a) 20 days b) 24 days
c) 36 days d) 72 days

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25) 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

a) 12 days b) 15 days
c) 16 days d) 10 days

26) A certain number of persons can complete a piece of work in 55 days. If there were 6 persons more, the work could be finished in 11 days less. How many persons were originally there ?

a) 24 b) 30 c) 22 d) 17

27) A and B can do a job in 6 and 12 days respectively. They began the work together but A leaves after 3 days. Then the total number of days needed for the completion of the work is :

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

28) A and B together can complete a work in 8 days. B alone can complete that work in 12 days. B alone worked for four days. After that how long will A alone take to complete the work ?

a) 18 days b) 16 days
c) 20 days d) 15 days

29) A can do a piece of work in 12 days and B can do it in 18 days. They work together for 2 days and then A leaves. How long will B take to finish the remaining work ?

a) 8 days b) 10 days
c) 13 days d) 6 days

30) A and B working separately can do a piece of work in 9 and 12 days respectively. If they work for a day alternately with A beginning, the work would be completed in

a) $10\frac{1}{2}$ days b) $10\frac{1}{4}$ days
c) $10\frac{1}{3}$ days d) $10\frac{2}{3}$ days

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