1. Anand is twice as good a workman as Balu and is therefore able to finish a piece of work in 30 days less than Balu. In how many days they can complete the whole work; working together?
   (a) 15 days   (b) 20 days
   (c) 35 days   (d) 30 days

2. A, B and C can do a piece of work in 24 days, 30 days and 40 days respectively. They began the work together, but C left 4 days before the completion of the work. In how many days was the work completed?
   (a) 11 days   (b) 12 days
   (c) 13 days   (d) 14 days

3. 4 men can repair a road in 7 hours. How many men are required to repair the road in 2 hours?
   (a) 11 men   (b) 12 men
   (c) 13 men   (d) 14 men

4. 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 10 women complete it?
   (a) 32 days   (b) 34 days
   (c) 40 days   (d) 36 days

5. Four pipes P, Q, R and S can fill a cistern in 20, 25, 40 and 50 hours respectively. The first pipe P was opened at 6:00 am, Q at 8:00 am, R at 9:00 am and S at 10:00 am. When will the Cistern be full?
   (a) 4:18 pm   (b) 3:09 pm
   (c) 12:15 pm   (d) 11:09 pm

6. A can do a work in 20 days, while B can do the same work in 25 days. They started the work jointly. After few days, C joined them and thus all of them completed the whole work in 10 days.

If they were paid a total of Rs. 700, what is the share of C?
   (a) Rs.70   (b) Rs.130
   (c) Rs.185   (d) can't be determined

7. Three taps P, Q and R can fill a tank in 12 hrs, 15 hrs and 20 hrs respectively. If P is open all the time and Q and R are open for one hour each alternately, starting with Q, then the tank will be full in how many hours?
   (a) 9   (b) 7   (c) 13   (d) 11

8. A can write 32 pages in 6 hours and B can write 40 pages in 5 hours. If they write together, in how many hours can they write 110 pages?
   (a) 7 hours   (b) 6 hrs 10 min
   (c) 5 hrs 25 min   (d) 8 hrs 15 min

9. In a regular week, there are 5 working days and for each day, the working hours are 8. A man gets Rs. 2.40 per hour for regular work and Rs. 3.20 per hour for overtime. If he earns Rs. 432 in 4 weeks, then how many hours does he work for?
   (a) 145   (b) 165   (c) 175   (d) 185

10. 5 men and 3 boys can together cultivate a 23 acre field in 4 days and 3 men and 2 boys together can cultivate a 7 acre field in 2 days. How many boys will be needed together with 7 men, if they have to cultivate a 45 acre field in 6 days?
    (a) 2   (b) 3   (c) 4   (d) 6

11. The ratio of efficiencies of P, Q and R is 2 : 3 : 4. While P and R work on alternate days, Q works on all days. The work is completed in 10 days and the total amount they get is Rs. 1200. Find the amount earned by each person (respectively)?
    (a) 200, 600, 400   (b) 400, 600, 200
    (c) 600, 200, 400   (d) 400, 200, 600

12. The ratio of efficiency of A is to C is 5:3. The ratio of number of days taken by B is to C is 2:3. A takes 6 days less than C when A and C complete the work individually. B and C started the work and left after 2 days. The number of days taken by A to finish the remaining work is:
    (a) 4.5   (b) 5   (c) 6   (d) 9 1/3

13. A pipe can fill a tank in 20 h. Due to a leak in the bottom, it is filled in 40 h. If the tank is full, how much time will the leak take to empty it?
    (a) 30 hours   (b) 40 hours
    (c) 50 hours   (d) 60 hours

14. A building is under construction and the task of paving the blocks is given to a group of men. 40 men can finish the given task in 96 days, working 9 hours/day. If 48 men take up the assignment and commit to finish it in 45 days, how many hours will they need to work per day?
    (a) 24   (b) 27   (c) 16   (d) 18

15. Two friends A and B take a job for Rs. 10000. Had they worked alone, A would have taken 20 days while B would have taken 30 days. They started working together but after 10 days, A left and B completed the remaining work alone. Find the difference between their share?
    (a) 0   (b) 1000   (c) 2000   (d) 5000

HOME WORK

16. Two friends A and B were employed to do a work. Initial deadline was fixed at 24 days. Both started working together but after 20 days, A left the work and the whole work took 30 days to complete. In how much time can B alone do the work?
    (a) 40   (b) 50   (c) 60   (d) 70

17. Three people A, B and C working individually can finish a job in 10, 12 and 20 days respectively. They decided to work together but after 2 days, A left the work and the very next day, B also left the work. If they got two lakhs collectively for the entire work, find the difference of the highest and the lowest share?

    (a) 10000   (b) 20000
    (c) 60000   (d) 70000

18. 10 men working 9 hours a day can complete a work in 24 days. How much time will it take to complete the work if 15 men are employed for 6 hours a day?
    (a) 18   (b) 20   (c) 24   (d) 30

19. Two pipes A and B can fill a tank in 16 hrs and 12 hrs respectively. The capacity of the tank is 240 liters. Both the pipes are opened simultaneously and closed after 2 hrs. How much more water is required to fill the tank?
    (a) 70 lit   (b) 170 lit
    (c) 90 lit   (d) 190 lit

20. One fill pipe A is 3 times faster than second fill pipe B and takes 32 minutes less than the fill pipe B. When will the cistern be full if both pipes are opened together?
    (a) 6 min   (b) 8 min
    (c) 12 min   (d) 10 min