1. A man can do a piece of work in 12 days another man can do the same work in 18 days. If both of them work together. In how many days. They will complete the work?

   (a) $7\frac{2}{5}$ days   (b) $7\frac{1}{5}$ days

   (c) 7 days   (d) 8 days

2. A can do a piece of work in 16 days, B can do it in 12 days whole C can do it in 20 days. In how many days all three together can complete the work?

   (a) $6\frac{5}{47}$ days   (b) $6\frac{5}{37}$ days

   (c) $5\frac{5}{47}$ days   (d) None

3. 15 men can complete a piece of work in 60 days. In how many days 12 men can complete the twice of the work?

   (a) 75 days   (b) 150 days
   (c) 120 days   (d) 100 days

4. 12 men working 6 hours daily can do a piece of work in 72 days. If 16 men working 8 hours daily. The same work will be completed in

   (a) $40\frac{1}{2}$ days   (b) 81 days

   (c) 54 days   (d) None

5. Provisions are kept for 300 students in a hostel for 90 days after 15 days, 150 students more arrived, how long provision will last

   (a) 50 days   (b) 65 days
   (c) 75 days   (d) 60 days

6. 6 men working 8 hours daily can do a piece of work in 60 days. In how many days 12 men working 6 hour can complete thrice of the work?

   (a) 120 days   (b) 90 days
   (c) 135 days   (d) 125 days

7. 12 men or 16 women can do a piece of work in 63 days. if 10 men and 24 women start working together. Then in how many days work will be completed?

   (a) 36 days   (b) 27 days
   (c) 28 days   (d) 30 days

8. 12 men take 36 days to do a work while 12 women complete $\frac{3}{4}$ th same work in 36 days. In how many days 10 men and 8 women together will complete the same work?

   (a) 6 days   (b) 12 days
   (c) 27 days   (d) None

9. 6 men and 8 women together can complete a piece of work in 10 days. Work done by a women in one day is equal to half the work done by a man in one day. If 10 women are working alone. In how many days will the work get completed?

   (a) 10 days   (b) 14 days
   (c) 16 days   (d) None

10. The work done by a women in 8 hours is equal to the work done by a man in 6 hours and by a boy in 12 hours. If working 6 hours per day 9 men can complete a work in 6 days. Then in how many days can 12 men, 12 women and 12 boys together finish the same work working 8 hours per day.

    (a) $1\frac{1}{3}$ days   (b) $3\frac{2}{3}$ days

    (c) $1\frac{1}{2}$ days   (d) 3 days

11. A man works twice as fast as a woman. A woman works twice as fast as a child. If 16 men can complete a job in 12 days, how many days would be required far 8 women and 16 boys together to complete the same job

    (a) 8 days   (b) 24 days
    (c) 14 days   (d) 16 days

12. A and B can do a piece of work in 12 days B and C can do the same work in 15 days and A and C can do the same work in 18 days. In how many days C alone can do the same work?

    (a) 60 days   (b) $51\frac{3}{7}$ days

(c) 72 days   (d) $52\frac{1}{5}$ days

13. A tank can be filled by two taps A and B in 3 min. However, due to a leakage at the bottom of the tank. It takes 3.5 min to fill the tank. If the tank is full, then how much time will the leakage take to empty the tank?

    (a) 21 min   (b) 24 min

    (c) 18 min   (d) 12 min

14. 2 men and 3 women can do a piece of work in 24 days while 3 men and 2 women can do the job in 20 days. In how many days 3 men and 7 women can do the work?

    (a) $12\frac{1}{3}$ days   (b) $13\frac{2}{3}$ days

    (c) $13\frac{1}{3}$ days   (d) None

15. Kanish is 50% more efficient in doing the same work than Harsh. If together they can complete the work in 18 days. Then in how many days Kanishk can complete the work done?

    (a) 30   (b) 40

    (c) 24   (d) 45

16. Three men with 5 boys can do a piece of work in 2 days and 4 men and 16 boys can complete the job in one day. How much time will it take for 1 boy together with a women who can work twice as fast as the boy to complete a job that is 3 times as time consuming?

    (a) 28 days   (b) 30 days

    (c) 36 days   (d) None

17. 64 men working 8 hours daily. Can complete a work in 9 days. However 5 days later they found that they had completed only 40% of the work. They now wanted to finish the remaining portion of the work in 4 more days. How many hours per day should they need to work in order to achieve the target?

    (a) 10   (b) 11

    (c) 12   (d) 15

18. A can do a piece of work in 36 days B can do it in 30 days. They start working together but after 5 days B left the work. In how many more days A will complete the remaining portion of work?

    (a) 10   (b) 25

    (c) 12   (d) 16

19. A can do a piece of work in 36 days B can do it in 54 days while C can do it in 72 days. All three start together but A left 8 days after and B 12 days before completion of work. In all how many days did C work?

    (a) $30\frac{6}{7}$ days   (b) 24 days

    (c) $24\frac{6}{7}$ 20 days   (d) none

20. The daily work of 2 men is equal to that of 3 women or that of 4 boys. When 14 men, 12 women and 12 boys employed on a work, it can be completed in 24 days. If it is required to finish it in 14 days and as additional labour only men are available, how many of them are required?

    (a) 16   (b) 20

    (c) 18   (d) 24