

1. A and B working together can do a piece of work in $4\frac{1}{2}$ hrs. B and C working together can do it in 3 hrs. C and A working together can do it in $2\frac{1}{4}$ hrs. In how much time they will take to finish the same work?

- a) $2\frac{1}{2}$ hrs b) $2\frac{1}{4}$ hrs c) 2hrs d) $1\frac{2}{3}$ hrs

2. Prian and Mithran are working on an assignment. Prian takes 6 hours to type 32 pages on a computer, while Mithran takes 5 hours to type 40 pages. How much time will they take working together on two different computers to type an assignment of 110 pages?

- a) 7hrs 30min b) 8hrs 15min c) 8hrs d) 8hrs 25min

3. A can complete one-third part of a work in 5days, B can do two-fifth part of the same work in 10days and C can do 75% of the same work in 15days. They work together for 6days. In how many days will B alone complete the remaining work?

- a) $1\frac{1}{2}$ b) 2 c) $2\frac{2}{3}$ d) 3

4. A, B and C can do a piece of work in 30, 20 and 10 days respectively. A is assisted by B on one day and by C on the next day, alternatively. How long would the work take to finish?

- a) $9\frac{3}{8}$ days b) $7\frac{7}{8}$ days c) $8\frac{12}{13}$ days d) 8days

5. A, B and C can do a job in 6, 12 and 15days respectively. C start the work after $\frac{1}{8}$ of the work is completed, C leaves the job. Rest of the work is done by A and B together. Time taken to finish the whole work?

- a) $5\frac{5}{6}$ days b) $5\frac{1}{4}$ days c) $3\frac{1}{2}$ days d) $5\frac{3}{8}$ days

6. P, Q and R can do a piece of work in 60, 100 and 80days respectively. They work together to finish the work and receive Rs. 2256. Then P will get?

- a) 576 b) 752 c) 960 d) 564

7. The ratio of the efficiencies of A, B and C is 2:5:3. Working together, they can complete a work in 27 days. B and C together can complete $\frac{4}{9}$ th part of that work in how many days?

- a) 27 b) 15 c) $17\frac{1}{7}$ d) 24

8. A is 40% more efficient than B. C is 20% less efficient than B. Working together, they can complete a task in 20hours. In how many hours will A alone complete 35% of that task?

- a) 13 b) 15 c) 16 d) 14

9. A farmer can plough a field working 6hours per day in 18days. The worker has to work how many hours per day to finish the same work in 12 days?

- a) 9hrs b) 7hrs c) 11hrs d) 13hrs

10. A company employed 200 workers to complete a certain work in 150days. If only one-fourth of the work has been done in 50days, then in order to complete the whole work in time, the number of additional workers to be employed was?

- a) 100 b) 300 c) 150 d) 250