

Time and Work – Classroom Assignment

1. A can complete a piece of work in 12 days and B can complete it in 18 days. If they work together, in how many days will they complete the work?

- A) 6 days
- B) $7\frac{1}{2}$ days
- C) 8 days
- D) 9 days

2. A can do a work in 15 days and B can do the same work in 20 days. They work together for 5 days. What fraction of the work is left?

- A) $\frac{1}{3}$
- B) $\frac{5}{12}$
- C) $\frac{7}{12}$
- D) $\frac{2}{5}$

3. A and B together can complete a work in 10 days. A alone can complete it in 15 days. How many days will B alone take?

- A) 20 days
- B) 25 days
- C) 30 days
- D) 35 days

4. A can complete a work in 24 days. B is 50% more efficient than A. How many days will B take to complete the same work?

- A) 12 days
- B) 14 days
- C) 16 days
- D) 18 days

5. A and B can complete a work in 12 days, B and C in 15 days, and C and A in 20 days. In how many days can A, B and C together complete the work?

- A) 8 days
- B) 10 days
- C) 12 days
- D) 15 days

6. 8 workers can complete a work in 15 days. How many workers are required to complete the same work in 10 days?

- A) 10
- B) 12
- C) 14
- D) 16

7. A can complete a work in 20 days and B in 30 days. They work together for 6 days, after which B leaves. How many more days will A take to finish the remaining work?

- A) 8 days
- B) 9 days
- C) 10 days
- D) 12 days

8. A, B and C can complete a work individually in 10, 15 and 30 days respectively. How long will they take if all three work together?

- A) 4 days
- B) 5 days
- C) 6 days
- D) 7 days

9. A can do a work in 16 days. B is twice as efficient as A. If they work together, how many days will they take to complete the work?

- A) $4\frac{1}{3}$ days
- B) $5\frac{1}{3}$ days
- C) $6\frac{1}{3}$ days
- D) 8 days

10. 12 men can complete a work in 18 days. After working for 6 days, 4 men leave. How many more days are required to complete the remaining work?

- A) 12 days
- B) 15 days
- C) 18 days
- D) 20 days

11. A and B together can complete a work in 8 days. A alone takes 12 days. If B works alone, how many days will he take?

- A) 18 days
- B) 20 days

- C) 24 days
- D) 30 days

12. A can complete a work in 25 days. B can complete the same work in 20 days. If they work together for 4 days, what percentage of the work remains?

- A) 60%
- B) 70%
- C) 75%
- D) 80%

13. 15 workers can complete a work in 24 days. After 8 days, 5 additional workers join them. In how many more days will the work be completed?

- A) 10 days
- B) 12 days
- C) 14 days
- D) 16 days

14. A can do a piece of work in 30 days. He works for 10 days and then B completes the remaining work in 15 days. In how many days can B alone complete the entire work?

- A) 20 days
- B) $22\frac{1}{2}$ days
- C) 25 days
- D) 30 days

15. A and B together can complete a work in 18 days. A alone can complete it in 30 days. How long will B alone take?

- A) 36 days
- B) 40 days
- C) 45 days
- D) 50 days

16. 6 men can complete a work in 20 days, while 8 women can complete the same work in 30 days. The efficiency ratio of one man to one woman is:

- A) 1 : 2
- B) 2 : 1
- C) 3 : 2
- D) 4 : 3

17. A, B and C can complete a work in 12, 24 and 36 days respectively. A works for 2

days, B for 3 days and C for 4 days. What fraction of the work is still left?

- A) $\frac{1}{2}$
- B) $\frac{5}{9}$
- C) $\frac{7}{12}$
- D) $\frac{2}{3}$

18. A is twice as efficient as B, and B is three times as efficient as C. If C alone completes a work in 36 days, how many days will A and B together take?

- A) 4 days
- B) 6 days
- C) 8 days
- D) 10 days

19. 10 men can complete a work in 12 days. After 4 days, 5 more men join the work. How many days in total will be required to complete the work?

- A) 8 days
- B) $9\frac{1}{3}$ days
- C) 10 days
- D) $10\frac{2}{3}$ days

20. A can complete a work in 18 days and B in 24 days. They work together for 4 days. The remaining work is completed by C in 8 days. In how many days can C alone complete the entire work?

- A) 12 days
- B) 14 days
- C) 16 days
- D) 18 days