

Examrace

Aptitude Logical Reasoning Time and Work 2021 Competitive Exams Part 6

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

- A. 7 hrs 30 min
- B. 8 hrs
- C. 8 hrs 15 min
- D. 8 hrs 25 min

Answer: C

2. Sakshi can do a piece of work in 20 days. Tanya is 25% more efficient than Sakshi. The number of days taken by Tanya to do the same piece of work is?

- A. 15
- B. 16
- C. 18
- D. 25

Answer: B

3. A can do a piece of work in 4 hours; B and C together can do it in 3 hours, which A and C together can do it in 2 hours. How long will B alone take to do it?

- A. 8 hours
- B. 10 hours
- C. 12 hours
- D. 24 hours

Answer: C

4. A and B can do a work in 8 days, B and C can do the same work in 12 days. A, B and C together can finish it in 6 days. A and C together will do it in?

- A. 4 days
- B. 6 days
- C. 8 days
- D. 12 days

Answer: C

5. A and B can do a work in 12 days, B and C in 15 days, C and A in 20 days. If A, B and C work together, they will complete the work in?

- A. 5 days
- B. $7\frac{5}{6}$ days
- C. 10 days
- D. $15\frac{2}{3}$ days

Answer: C

6. A is 30% more efficient than B. How much time will they, working together, take to complete a job which A alone could have done in 23 days?

- A. 11 days
- B. 13 days
- C. $20\frac{3}{17}$ days
- D. None of these

Answer: B

7. A can finish a work in 18 days B can do the same work in 15 days. B worked for 10 days and left the job. In how many days, A alone can finish the remaining work?

- A. 5
- B. $5\frac{1}{2}$
- C. 6
- D. 8

Answer: C

8. X and Y can do a piece of work in 20 days and 12 days respectively. X started the work alone and then after 4 days Y joined him till the completion of the work. How long did the

work last?

- A. 6 days
- B. 10 days
- C. 15 days
- D. 20 days

Answer: B

9. A can do a piece of work in 30 days while B can do it in 40 days. In how many days can A and B working together do it?

- A. 70 Days
- B. $42\frac{3}{4}$ days
- C. $27\frac{1}{7}$ days
- D. $17\frac{1}{7}$ days

Answer: D

10. A and B can together do a piece of work in 15 days. B alone can do it in 20 days. In how many days can A alone do it?

- A. 30 days
- B. 40 days
- C. 45 days
- D. 60 days

Answer: D

11. A can do $\left(\frac{1}{3}\right)$ of a work in 5 days and B can do $\left(\frac{2}{5}\right)$ of the work in 10 days. In how many days both A and B together can do the work?

- A. $7\frac{3}{4}$
- B. $8\frac{4}{5}$
- C. $9\frac{3}{8}$
- D. 10

Answer: C

12. A, B and C contract a work for ₹ 550. Together A and B are to do $\frac{7}{11}$ of the work. The share of C should be?

A. ₹ $183\frac{1}{3}$

B. ₹ 200

C. ₹ 300

D. ₹ 400

Answer: B

13. A can do a piece of work in 80 days. He works at it for 10 days and then B alone finishes the work in 42 days. The Two together could complete the work in?

A. 24 days

B. 25 days

C. 30 days

D. 35 days

Answer: C

14. Mahesh and Umesh can complete a work in 10 days and 15 days respectively. Umesh starts the work and after 5 days Mahesh also joins him in all the work would be completed in

A. 7 days

B. 9days

C. 11 days

D. None of these

Answer: B

15. Twelve men can complete a work in 8 days. Three days after they started the work, 3 more men joined them. In how many days will all of them together complete remaining work?

A. 2

B. 4

C. 5

D. 6

Answer: B

16. A can do a piece of work in 10 days and B can do the same piece of work in 20 days. They start the work together but after 5 days. A leaves off B will do the remaining piece of work in?

A. 5 days

B. 6 days

C. 8 days

D. 10 days

Answer: A

17. A and B can together finish a work in 30 days. They worked for it for 20 days and then B left. The remaining work was done by A alone in 20 more days. Alone can finish the work in?

A. 48 days

B. 50 days

C. 54 days

D. 60 days

Answer: D

18. A can complete a job in 9 days. B in 10 days and C in 15 days. B and C start the work and are forced to leave after 2 days. The time taken to complete the remaining work is?

A. 6 days

B. 9 days

C. 10 days

D. 13 days

Answer: A

19. A, B and C together earn ₹ 150 per day while A and C together earn ₹ 94 and B and C together earn ₹ 76. The daily earning of C is?

A. ₹ 75

B. ₹ 56

C. ₹ 34

D. ₹ 20

Answer: D

20. A can do a certain job in 12 days. B is 60 % more efficient than A. Then Number of days it takes B to do the same piece of work is?

A. 6

B. $6\frac{1}{4}$

C. $7\frac{1}{2}$

D. 8

Answer: C

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