TIME AND WORK-2_CSAT_QUESTIONS

1. Akshay can do a work in 24 days. Akshay left the work after 4 days and Sonia did the remaining work. Find the work done by Sonia.

(A) $\frac{1}{4}$ (B) $\frac{1}{6}$

(C) $\frac{5}{6}$ (D) $\frac{3}{5}$

2. Ankita can do $\frac{3}{11}$ of a work in 33 days. In how many days can she complete the same work?

(A) 55 days (B) 201 days
(C) 101 days (D) 121 days

3. A and B can complete half of the work in 3 days and A is 50% more efficient than B. A leaves the work after 5 days. If they started working together, then how many days will B take to complete the remaining work?

(A) $\frac{7}{2}$ (B) $\frac{5}{2}$

(C) 5 (D) 6

Answer the questions from 4 to 6 on the basis of the following statement:
Rehman and Rohan can do a work alone in 12 and 16 days respectively.

4. Find the amount of work done by them in 6 days.

(A) $\frac{6}{7}$ (B) $\frac{7}{8}$

(C) $\frac{2}{7}$ (D) $\frac{5}{6}$

5. Which of the following option is true?
Efficiency of Rehman and Rohan are equal.

(A) Efficiency of Rehman is 20% more than that of Rohan.

(B) Efficiency of Rehman is $33\frac{1}{3}\%$ more than that of Rohan.

(C) Efficiency of Rehman is 25% less than that of Rohan

6. If a third person Ankit can do the remaining work in 8 days as per question 4th, then in how many days will he do the complete work?

(A) 48 (B) 64
(C) 40 (D) 80

7. Ankit & Vipin can do a piece of work in 12 and 14 days respectively. They work together & Vipin leaves 3 days before the work is finished. Ankit finished the remaining work alone. In how many days the total work was finished?

(A) $9\frac{11}{12}$ (B) $7\frac{11}{13}$

(C) $8\frac{9}{11}$ (D) $12\frac{1}{11}$

8. A and B can do a work in 15 and 25 days respectively. They started the work together but B leaves after some days and A finishes the remaining work in 5 days. After how many days did B leave?

(A) 15 (B) 25

(C) $\frac{25}{2}$ (D) $\frac{25}{4}$

Answer the questions 9 & 10 on the basis of the following statement:
Sudhir is twice as fast as Tapsi. Tapsi can complete a job alone in 27 days.

9. In how many days will Sudhir complete the job?

(A) 15 (B) 27

(C) 9 (D) $\frac{27}{2}$

10. In how many days will Sudhir and Tapsi together complete the job?

(A) 8 (B) 7

(C) 9 (D) 12

11. A, B & C can do a work in 12 days, 10 days & 16 days respectively working alone. In how many days will they complete the work, if A work on first day, B on second day, C on third day, A on fourth day and so on.

(A) $10\frac{2}{5}$ (B) $12\frac{1}{5}$

(C) $15\frac{2}{5}$ (D) $13\frac{1}{5}$

12. 6 men and 2 boys working together can do three times as much work as a man and a boy. What is the ratio of capacities of a man and a boy?

(A) 1:3 (B) 2:3

(C) 1:2 (D) 3:4

13. 6 men and 10 women can complete a work in 8 days, while 5 men and 9 women can complete it in 9 days. In how many days will 18 men complete it?

(A) 24 (B) 16

(C) 12 (D) 15

14. 8 boys can complete a work in 24 days. 10 men can complete the same work in 20 days and 20 women can complete it in 20 days. In how many days can 50 women, 25 men and 16 boys together complete that work?

(A) 5 (B) 2

(C) 3 (D) 4

15. **A pipe of diameter 'P' can fill a tank in 120 min. then the time taken by a pipe of diameter '4P' to fill the same tank?**

(A) $7\frac{1}{2}$ min (B) 8 min

(C) $5\frac{1}{2}$ min (D) 12 min

16. **Pipe A and B can fill a tank in 30 and 24 hours respectively. C can empty it in 8 hours. If the pipes are opened at 10 am, 11 am and 12 noon respectively, then at what time the tank will be emptied?**

(A) 2:15 pm (B) 2:00 pm

(C) 2:10 pm (D) 2:12 pm

17. **Pipe A is 3 time faster than the pipe B and takes 64 hours less than the pipe B to fill a cistern. When will the cistern be fill, if both pipes are opened together?**

(A) 96 hours (B) 24 hours

(C) 30 hours (D) 26 hours

18. **The pipe A is twice as fast as B and B is twice as fast as C. They together can fill a tank in 25 hours, then in how much time pipe A alone can fill the tank?**

(A) $43\frac{3}{4}$ hours (B) $84\frac{1}{2}$ hours

(C) 175 hours (D) 62.5 hours

19. **Two pipes A and B together can fill a cistern in 8 hours. Had they been opened separately, then B would have taken 12 hours more than A to fill the cistern, then how much time will be taken by A to fill the cistern alone?**

(A) 10 hours (B) 12 hours
(C) 14 hours (D) 8 hours

20. **A cistern can be filled by two pipes A and B in 120 min and 80 min respectively. How many minutes will it take to fill the cistern from empty state if B is used for half the time and A and B together fill it for the other half?**

(A) 30 min. (B) 60 min.
(C) 120 min. (D) 75 min.