

D.K.M. College for Women (Autonomous)
Aptitude Test

Time and Work – Test 9

1. A does a work in 10 days and B does the same work in 15 days. In how many days they together will do the same work?
a. 5 days b. 6days c.8days d.9days
2. A tyre has two punctures. The first puncture alone would have made the tyre flat in 9 minutes and the second alone would have done it in 6 minutes. If air leaks out at a constant rate, how long does it take the punctures together to make it flat?
a. $1 \frac{1}{2}$ minutes b. $3 \frac{1}{2}$ minutes c. $3 \frac{3}{5}$ minutes d. $4 \frac{1}{4}$ minutes
3. A man can do a piece of work in 5 days, but with the help of his son, he can do it in 3 days. In what time can the son do it alone?
a. $6 \frac{1}{2}$ days
b. 7 days
c. $7 \frac{1}{2}$ days
d. 8 days
4. A can lay railway track between two given stations in 16 days and B can do the same job in 12 days. With the help of C, they did the job in 4 days only. Then, C alone do the job in:
a. $9 \frac{1}{5}$ days
b. $9 \frac{2}{5}$ days
c. $9 \frac{3}{5}$ days
d. 10 days
5. A takes twice as much time as B or thrice as much time to finish a piece of work. Working together, they can finish the work in 2 days. B can do the work alone in :
a. 4 days
b. 6 days
c. 8 days
d. 12 days
6. Two workers A and B are engaged to do a work. A working alone takes 8 hours more to complete the job than if both worked together. If B worked alone, he would need $4 \frac{1}{2}$ hours more to complete the job than they both working together. What time would they take to do the work together?
a. 4 hours
b. 5 hours
c. 6 hours
d. 7 hours

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7. A and B can do a work in 12 days, B and C in 115 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
8. 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
9. A can do a piece of work in 4 hours; B and C together can do it in 3 hours, while 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
10. A can do a certain work in the same time in which B and C together can do it. If A and B together could do it in 10 days and C alone in 50 days, then B alone could do it in:
 - a. 15 days
 - b. 20 days
 - c. 25 days
 - d. 30 days
11. A works twice as fast as B. if B can complete work in 12 days independently, the number of days in which A and B can together finish the work is:
 - a. 4 days
 - b. 6 days
 - c. 8 days
 - d. 18 days
12. 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

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- b. 16
 - c. 18
 - d. 25
13. A does half as much work as B in three-fourth of the time. If together they take 18 days to complete the work, how much time shall B take to do it?
- a. 30 days
 - b. 35 days
 - c. 40 days
 - d. None of these
14. A machine P can print one lakh books in 8 hours, machine Q can print the same number of books in 10 days while machine R can print them in 12 hours. All the machines are started at 9 a.m. while machine P is closed at 11 a.m. And the remaining two machine completed the work. Approximately at what time will the work be finished?
- a. 11:30 a.m.
 - b. 12 noon
 - c. 12:30 p.m.
 - d. 1 p.m.
15. 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 can joined him till the completion of the work. How long did the work last?
- a. 40
 - b. 10
 - c. 15
 - d. 20
16. X can do a piece of work in 40 days. He works at it for 8 days and then Y finished it in 16 days. How long will they together take to complete the work?
- a. $13 \frac{1}{3}$ days
 - b. 15 days
 - c. 20 days
 - d. 56 days
17. A, B and C are employed to do a piece of work for Rs. 529. A and B together are supposed to do $\frac{19}{23}$ of the work and B and C together $\frac{8}{23}$ of the work. What amount should A be paid?
- a. Rs. 315
 - b. Rs. 345

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- c. Rs. 355
 - d. Rs. 375
18. Kim can do a work in 3 days while David can do the same work in 2 days. Both of them finish the work together and get Rs. 150. What is the share of Kim?
- a. Rs.30
 - b. Rs.60
 - c. Rs.70
 - d. Rs.75
19. A, B and C can do a piece of work in 11 days, 20 days and 55 days respectively, working alone. How soon can the work be done if A is assisted by B and C on alternate days?
- a. 7 days
 - b. 8 days
 - c. 9 days
 - d. 10 days
20. Twenty women can do a work in sixteen days. Sixteen men can complete the same work in fifteen days. What is the ratio between the capacity of a man and a woman?
- a. 3:4
 - b. 4:3
 - c. 5:3
 - d. Data inadequate
21. 10 men can complete a piece of work in 15 days and 15 women can complete the same work in 12 days. If all 10 men and 15 women work together, in how many days will the work get complete?
- a. 6
 - b. $6 \frac{1}{3}$
 - c. $6 \frac{2}{3}$
 - d. $7 \frac{2}{3}$
22. 12 men complete a work in 9 days. After they have worked for 6 days, 6 more men join them. How many days will they take to complete the remaining work?
- a. 2 days
 - b. 3 days
 - c. 4 days
 - d. 5 days
 - e. None of these

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23. Three men, four women and six children can complete a work in seven days. A woman does double the work a man does and a child does half the work a man does. How many women alone can complete this work in 7 days?
- a. 7
 - b. 8
 - c. 12
 - d. Cannot be determined
 - e. None of these
24. 10 men and women together can complete a work in 6 days. It takes 100 days for one man alone to complete the same work. How many days will be required for one woman alone to complete the same work?
- a. 90
 - b. 125
 - c. 145
 - d. 150
 - e. None of these
25. 10 women can complete a work in 7 days and 10 children take 14 days to complete the work. How many days will 5 women and 10 children take to complete the work?
- a. 3
 - b. 5
 - c. 7
 - d. Cannot be determined
 - e. None of these