

MATHS

Time & Work Worksheet for MAH MCA CET 2025

For students preparing for MCA Entrance Exam.

- The efficiencies of A, B and C are in the ratio of 2: 3: 5. Working together, they can complete a task in 6 days. In how many days will A alone complete 20% of the task?
 - 8
 - 5
 - 6
 - 4
- 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:
 - 27 days
 - 15 days
 - $17\frac{1}{2}$ days
 - 24 days
- To do a certain work, A and B work on alternate days, with B beginning the work on the first day. A can finish the work alone in 48 days. If the work gets completed in $11\frac{1}{3}$ days, then B alone can finish 4 times the same work in :
 - 24 days
 - 32 days
 - 27 days
 - 30 days
- A is 40% more efficient than B and C is 20% less efficient than B. Working together, they can finish a work in 5 days. In how many days, will A alone complete 70% of the work?
 - 9
 - 7
 - 10
 - 8
- 3 men, 4 women and 6 boys together can complete a work in 6 days. A woman does triple the work a man does and a boy does half the work a man does. How many women alone will be able to complete this work in 4 days?
 - 9
 - 6
 - 8
 - 7
- A earns Rs 180 per hour and works for 7 hours per day. B earns Rs. 160 per hour and works for 5 hours per day. what is the ratio of per day wages of A and B?
 - 40:61
 - 33:20
 - 20:30
 - 63:40
- A and B can complete a task in 25 days. B alone can complete $13\frac{1}{3}$ % of the same task in 15 days. In how many days can A alone complete $\frac{4}{15}$ th of the same task?
 - 15
 - 10
 - 18
 - 12
- A, B and C can finish a task in 42 days, 84 days and 28 days, respectively. A started the work. B joined him after 3 days. If C joined them after 5 days from the beginning, then for how many days did A work till the completion of the task?
 - 20
 - 15
 - 17
 - 18

9. A and B, working together, can complete a work in 16 days, C and A together can complete it in 32 days and C and B together can complete it in 24 days. They worked together for 12 days. In how many days will C can complete the remaining work?

- A. 40
- B. 36
- C. 45
- D. 32

10. 18 men can complete a work in 9 days. After they have worked for 5 days, 6 more men join them. How many days will they take to complete the remaining work?

- A. 3
- B. $2\frac{1}{2}$
- C. 2
- D. $3\frac{1}{2}$

11. It is given that men are twice as efficient than women in respect to doing work. If three men and two women can complete the work in 2 days, then in how many days can a woman working alone complete the work?

- A. $12\frac{1}{2}$
- B. 16
- C. $10\frac{1}{3}$
- D. 8

12. A and B can complete a piece of work in 15 days and 10 days respectively. They got a contract to complete the work for Rs. 35,000. The share of A in the contracted money will be:

- A. 7000
- B. 15000
- C. 14000
- D. 21000

13. Rs. 10,000 has to be distributed among 3 craftsmen, 5 helpers and 6 labourers such that each helper receives the amount twice as much as a labourer receives and each craftsman receives the amount thrice as much as a labourer receives. What is the amount received by the three craftsmen?

- A. Rs. 2400
- B. Rs. 4000
- C. Rs. 3600

D. Rs. 2700

14. A can complete a piece of work in 20 days and B can complete 20% of the work in 6 days. If they work together in how many days can they finish 50% of the work, if they work together?

- A. 12
- B. 6
- C. 8
- D. 9

15. A, B and C, alone can do a piece of work in 9, 12 and 18 days respectively. They all started the work together, but A left after 3 days. In how many days, was the remaining work completed?

- A. 2
- B. $\frac{5}{2}$
- C. $\frac{11}{4}$
- D. $\frac{9}{5}$

16. A and B can finish a work together in 30 days, B and C can finish the same work together in 24 days and A and C can finish the same work together in 40 days. If all three work together, how long will it take them to complete the work?

- A. 20 days
- B. 5 days
- C. 10 days
- D. 15 days

17. A can do work in 12 days. B can do work in 18 days. After 5 days of working together, how much work will be left?

- A. $\frac{5}{12}$
- B. $\frac{5}{13}$
- C. $\frac{25}{7}$
- D. $\frac{11}{36}$

18. 6 men or 5 women earn Rs 14,820 in two days. How much will 4 women and 6 men earn in one day?

- A. 13,338
- B. 13,832
- C. 26,676
- D. 27,664

19. A can do a work in 20 days, while B can do the same work in 25 days. They started the work

jointly. Few days later C also joined them and thus all of them completed the whole work in 10 days. All of them were paid total of rs 700. What is the share of C?

- A. 55
- B. 65
- C. 75
- D. 70

20. The ratio of efficiencies of A, B and C is 7: 5: 8. Working together, they can complete a piece of work in 42 days. B and C worked together for 21 days and the remaining was completed by A alone. The whole work was completed in:

- A. 96
- B. 99
- C. 102
- D. 93

21. A can do 40% of a work in 6 days and B can do 30% of the same work in 3 days. They started the work together but B left after 2 days and A continued to work. In how many days was the entire work completed?

- A. 10
- B. 12
- C. 9
- D. 15

22. To do a certain work, the ratio of efficiency of A to that of B is 3:7. Working together, they can complete the work in $10\frac{1}{2}$ days. They work together for 8 days. 60% of the remaining work will be completed by A alone in:

- A. $5\frac{1}{2}$ days
- B. 5 days
- C. $6\frac{1}{2}$ days
- D. 4 days

23. A and B can do a piece of work in 6 days and 8 days, respectively. With help of C, they completed the work in 3 days and earned Rs. 1848. What was the share of C?

- A. Rs. 231
- B. Rs. 924
- C. Rs. 462
- D. Rs. 693

24. A certain number of persons can complete a work in 34 days working 9 hours a day. If the

number of persons is decreased by 40%, then how many hours a day should the remaining persons work to complete the work in 51 days ?

- A. 9
- B. 8
- C. 12
- D. 10

25. 4 men and 5 women can complete a work in 15 days, whereas 9 men and 6 women can do it in 10 days. To complete the same work in 7 days, how many women should assist 4 men?

- A. 11
- B. 14
- C. 12
- D. 13

26. To do a certain work, the ratio of the efficiencies of X and Y is 5:4. Working together, they can complete the same work in 10 days. Y alone starts the work and leaves after 5 days. The remaining work will be completed by X alone in:

- A. 14 days
- B. 12 days
- C. 15 days
- D. 10 days

Q27. A can do 40% of a work in 12 days, whereas B can do 60% of the same work in 15 days. Both work together for 10 days. C completes the remaining work alone in 4 days. A, B and C together will complete 28% of the same work in:

- A. $2\frac{1}{2}$ days
- B. 3 days
- C. $1\frac{1}{2}$ days
- D. 2 days

Q28. A is as efficient as B and C together. Working together A and B can complete a work in 36 days and C alone can complete it in 60 days. A and C work together for 10 days. B alone will complete the remaining work in:

- A. 110 days
- B. 88 days
- C. 84 days
- D. 90 days

Q29. A can do one-third of a work in 15 days, B can do 75% of the same work in 18 days and C can do the same work in 36 days. B and C work

together for 8 days. In how many days will A alone complete the remaining work?

- A. 24 days
- B. 18 days
- C. 20 days
- D. 16 days

30. 25 persons can complete a work in 60 days. They started the work. 10 people left the work after x days. If the whole work was completed in 80 days, then what is the value of x?

- A. 9
- B. 8
- C. 12
- D. None of the above

Answer Key

1. C	2. B	3. C	4. D	5. A	6. D	7. A	8. C	9. B	10. A
11. B	12. C	13. C	14. B	15. D	16. A	17. D	18. A	19. D	20. C
21. B	22. B	23. A	24. D	25. D	26. A	27. D	28. A	29. C	30. D