

## Time and Work

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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) 7 Days      C) 6 Days      D) 9 Days

2. To complete a piece of work A and B take 8 days, B and C 12 days. A, B and C take 6 days. A and C will take

- A) 7 Days      B) 7.5 Days      C) 8 Days      D) 8.5 Days

3. Two pipes can fill the cistern in 10hr and 12 hr respectively, while the third empty it in 20hr.

If all pipes are opened simultaneously, then the cistern will be filled in

- A) 7.5 hr      B) 8 hr      C) 8.5 hr      D) 10 hr

4. If two pipes function simultaneously, the reservoir will be filled in 12 hours. One pipe fills the reservoir 10 hours faster than the other. How many hours does it take the second pipe to fill the reservoir?

- A) 21 hrs      B) 28 hrs      C) 30 hrs      D) 32 hrs

5. A, B and C can do a piece of work in 24 days, 30 days and 40 days respectively. They began the work together but C left 4 days before the completion of the work. In how many days was the work completed?

- A) 11 days      B) 12 days      C) 13 days      D) 14 days

6. 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 20 days and C alone in 60 days, then B alone could do it in:

- A) 20 days      B) 40 days      c) 50 days      D) 60 days

7. Twenty men can do a work in eighteen days. Eighteen women can complete the same work in fifteen days. What is the ratio between the capacity of a woman and a man?

- A) 4: 5      B) 3:4      C) 4:3      D) 2:3

8. Raghu can complete a work in 12days working 9 hours a day. Arun can complete the same work in 8 days working 11 hours a day. If both Raghu and Arun work together, working 12 hours a day, in how many days can they complete the work ?

- A)  $3\frac{4}{49}$  days      B)  $12\frac{4}{49}$  days      C)  $4\frac{3}{49}$  days      D)  $4\frac{12}{49}$  days

9. There are three boats B1, B2 and B3 working together they carry 60 people in each trip. One day an early morning B1 carried 50 people in few trips alone. When it stopped carrying the passengers B2 and B3 started carrying the people together. It took a total of 10 trips to carry 300 people by B1, B2 and B3. It is known that each day on an average 300 people cross the river using only one of the 3 boats B1, B2 and B3. How many trips it would take to B1, to carry 150 passengers alone?

- A) 15      B) 30      C) 25      D) 10

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10. Mr. Ram is on tour and he has Rs 360 for his expenses. If he exceeds his tour by 4 days he must cut down daily expenses by Rs 3. The number of days of Mr. Ram's tour programme is

- A) 28 Days    B) 24 Days    C) 22 Days    **D) 20 Days**

11. 39 persons can repair a road in 12 days, working 5 hours a day. In how many days will 30 persons, working 6 hours a day, complete the work?

- A) 10    **B) 13**    C) 14    D) 15

12. A and B borrowed a tractor for 23 days. A ploughed 12 acres per day for a certain number of days and then Bushed it to plough 15 acres per day for the remaining days. If they paid Rs 3,000 and Rs 2,000 respectively, for how many days did A use the tractor?

- A) 12    **B) 15**    C) 16    D) 18

13. Two pipes can fill a cistern in 14 hours and 16 hours respectively. The pipes are opened simultaneously and it is found that due to leakage in the bottom it took 32 minutes more to fill the cistern. When the cistern is full, in what time will the leak empty it?

- A) 102 hrs    **B) 112 hrs**    C) 120 hrs    D) 132 hrs

14. A sum of Rs. 25 was paid for a work which A can do in 32 days, B in 20 days, B and C in 12 days and D in 24 days. How much did C receive if all the four work together?

- A) Rs. 14/3    **B) Rs. 16/3**    C) Rs. 15/3    D) Rs. 17/3

15. 8 men can dig a pit in 20 days. If a man works half as much more as a boy, then 4 men and 9 boys can dig a similar pit in :

- A) 10 days    B) 12 days    C) 15 days    **D) 16 days**

16. If 3 men or 4 women can construct a wall in 43 days, then the number of days that 7 men and 5 women take to construct it is

- A) 12**    B) 18    C) 24    D) 30

17. A can do a certain job in 12 days. B is 60% more efficient than A. The number of days it takes for B to do the same piece of work, is

- A) 6    B)  $6\frac{1}{4}$     **C)  $7\frac{1}{2}$**     D) 8

18. 3 men and 4 boys do a piece of work in 8 days, while 4 men and 4 boys finish it in 6 days. 2 men and 4 boys will finish it in:

- A) 9 days    B) 10 days    **C) 12 days**    D) 14 days

19. 12 buckets of water fill a tank when the capacity of each bucket is 13.5 litres. How many buckets will be needed to fill the same tank, if the capacity of each bucket is 9 litres?

- A) 8    B) 16    C) 15    **D) 18**

20. A leak in the bottom of a tank can empty the full tank in 6 hrs. An inlet pipe fills water at the rate of 4 lit. a minute. When the tank is full, the inlet is opened and due to the leak, the tank is empty in 8 hrs. The capacity of the tank in litres is:

- A) 5,260    **B) 5,760**    C) 6,970    D) 5,846