**TIME AND WORK**

1. Amruta can do a piece of work in 20 days. Narendra is 25% more efficient than Amruta. The number of days taken by Narendra to do the same piece of work is?
2. A can finish a work in 24 days. B in 9 days and C in 12 days. B and C start the work but are forced to leave after 3 days. The remaining work was done by A in?
3. P and Q can do a work in 18 days and 24 days respectively. They worked together for 8 days and then P left. The remaining work was finished by Q in
4. A and B can do a work in 12 days, B and C can do the same work in 15 days, and C and A can do the same work in 20 days. A, B and C will complete the work together in:
5. 20 women can complete a piece of work in 7 days. If 8 more women are put on the job. In how many days will they complete the work?
6. A and B can do a piece of work in 4 days, while C and D can do the same work in 12 days. In how many days will A, B, C and D do it together?

**PRACTICE QUESTIONS**

1. Person A alone can-do piece of work in 20 days and Person B alone Can do the same work in 30 days, then find the time taken to complete The Work

(i) if A and B working together?

(ⅱ) A and B together Started the work, after 4days A left the job in how many days can B alone Complete the remaining work?

iii) A alone started the work, after 10 days B Join with A, They completed the remaining work together. find the total time taken to complete the whole work

2. A and B working together Can Complete a work in 8 days If A alone can do the same work in 12 days, then find the number of days taken to complete the Same work by B alone?

3. A can complete a work in 16 days and B in 12 days, Starting with A they work on alternate day's the total work will be completed in how many days?

4. A can do a piece of work in 14 days while B can do it in 21 days. They being working together but 5 days before the completion of the work A leaves o ff. The total number of days to complete the work?

5. A and B together can do a Piece of work in 9 days. If A does thrice as much as B' in a given time. Find how long A alone takes to do the work

6. A is 20% more Efficient than B. if B alone can do a piece of work in 22 days, then find the number of days. to complete the same work. IF A and B working together

7. If 100 cats can eat 100 mice in 100 days then in how many days can 1 cat eat 1mouse?

8. 4 goats or 6 sheep can graze a field in 50 days. 2 goats and 9 sheep can graze the field in

9. If 5 men can do a piece of work in 10 days and 12 women can do the same work in 15 days, the number of days required to complete the work by 5 men and 6 women is

**Pipes and cisterns**

1. Two Pipes A and B can fill a tank in 20 min and 30 min respectively

if both Pipes are opened Simultaneously then Find the time taken to fill the tank

2. A tank is filled in 5hours by three pipes A, B and C. The pipe C is twice as fast as B. Pipe B

is twice as fast as A How much time will pipe A alone take to fill the tank?

3. Pipe A alone can fill a tank in 25 hours and pipe B alone can fill the Same tank in 20 hrs. At

beginning both the pipes are opened simultaneously, after how much time A should be

Closed, so that the tank gets filled in 12 hours

4. A pipe can fill a cistern in 6 h. Due to a leak in its bottom, it is filled in 7 h. When the

cistern is full, in how much time will it be emptied by the leak?

5. Two pipes P and Q can fill a cistern in 12 min and 15 min, respectively. If both pipes are

opened together and at the end of 3 min, the first is closed, then how much longer will

the cistern take to fill?