

TIME AND WORK-1

1. 18 men can do a piece of work in 10 days. How many men are needed to complete the work in 30 days?
2. 30 men can prepare 80 toys in 10 hours. If 12 men leave the job, how many toys will be prepared in 15 hours?
3. I can do a job in 20 days and you can do the same job in 30 days. How long would we take to do it working together?
4. A, B and C can do a work in 6, 12 and 24 day respectively. In what time will they altogether do it?
5. A and B can do a piece of work in 8 days and A alone can do it in 12 days. In how many days can B alone do it?
6. A and B can do a piece of work in 12 days, B and C in 15 days, C & A in 20 days. How long will they take if they work together?
7. 30 men working 7hrs a day can do a work in 18 days. In how many days 21 men working 6 hrs a day to do the same work?
8. A thrice as good a workman as B. Together, they finish the work in 14 days. In how many days can it be done by each separately?
9. A can do a work in 12 days, B takes 18 days to complete it. C takes as long as A and B would take working together. How long will it take B and C to complete the work together?
10. A and B can do a piece of work in 10 days, B and C in 12 days, C and A in 15 days. How long would each take separately to do the same work?

ANSWERS

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| 1. 6 | 2. 72 | 3. 12 |
| 4. $3\frac{3}{7}$ | 5. 24 | 6. 10 |
| 7. 30 | 8. A completes in 20 days; B completes in 60 days. | |
| 9. $36/7$ | 10. A takes 16 days; B takes $120/7$ and C takes 40 days. | |