

1. 4 men and 3 women finish a job in 6 days, and 5 men and 7 women can do the same job in 4 days. How long will 1 man and 1 woman take to do the work?

1. $22\frac{2}{7}$ days 2. $25\frac{1}{2}$ days 3. $5\frac{1}{7}$ days 4. $12\frac{7}{22}$ days

2. A certain number of men can finish a piece of work in 30 days. If there were 6 men more, the work could be finished in 10 days less. What is the original number of men?

1. 10 2. 11 3. 12 4. 15

3. Raju can do a piece of work in 10 days, Vicky in 12 days and Tinku in 15 days. They all start the work together, but Raju leaves after 2 days and Vicky leaves 3 day before the work is completed. In how many days is the work completed?

1. 5 days 2. 6 days 3. 7 days 4. 8 days

4. 30 men working 5 hour a days can do a work in 16 days. In how many days will 20 men working 6 hour a day do the same work?

1. $22\frac{1}{2}$ days 2. 20 days 3. 21 days 4. None of these

5. 12 men complete a work in 18 days. 6 days after they had started working, 4 men join them. How many more days will all of them take to complete the remaining work?

1. 10 days 2. 12 days 3. 15 days 4. 9 days

6. A takes 5 days more than B to do a certain job and 9 days more than C; A and B together can do the job in same time as C. How many days A would take to do it?

1. 16 days 2. 10 days 3. 15 days 4. 20 days

7. Raju is twice as good as Vijay. Together, they finish the work in 14 days. In how many days can Vijay alone do the same work?

1. 16 days 2. 21 days 3. 28 days 4. 42 days

8. Ajay and Vijay can do a piece of work in 28 days. With the help of Manoj, they can finish it in 21 days. How long will Manoj take to finish the work alone?

1. 84 days 2. 80 days 3. 75 days 4. 70 days

9. Two typists of varying skills can do a job in 6 minutes if they work together. If the first typist typed alone for 4 minutes and then the second typist typed alone for 6 minutes, they would be left with 20% of the whole work. How many minutes would it take the slower typist to complete the typing job working alone?

1. 10 minutes 2. 15 minutes 3. 12 minutes 4. 20 minutes

10. A can do some work in 24 days, B can do it in 32 days and C can do it in 60 days. They start working together. A left after 6 days and B left after working for 8 days. How many more days are required to complete the whole work?

1. 30 2. 25 3. 22 4. 20

11. Arun, Barun and Kiranmala start from the same place and travel in the same direction at speeds of 30, 40 and 60 km per hour respectively. Barun starts two hours after Arun. If Barun and Kiranmala overtake Arun at the same instant, how many hours after Arun did Kiranmala start?

1. 3 2. 3.5 3. 4 4. 4.5 5. 5

12. If m men can do a work in r days, then the no of days taken by $(m+n)$ men to do it is:

1. $\frac{m+n}{mn}$ 2. $\frac{m+n}{mr}$ 3. $\frac{mr}{(m+n)}$ 4. $\frac{(m+n)r}{mn}$

Direction for Q 13- 17:

Two partners in business, Rajesh and Arun started business in 2002. In 2003 the profits were divided in such a way that Rajesh got Rs. 8000 and Arun took 20% of the profit. The next year both individually got Rs. 12000. In 2006 Rajesh got 25% of the profit, while Arun took Rs. 15000 which was 25% more than what he got the previous year when the split between him and Rajesh was in the ratio 4:6. Based on above data answer the questions;

13. Rajesh's share of the profits in 2005 was
(a) Rs. 12000 (b) Rs. 18000 (c) Rs.24000 (d) None of these
14. The firm's total profit for the four years was
(a)68000 (b) 84000 (c) 48000 (d) None of these
15. The ratio of Rajesh's share of the profit in 2004 and 2005 to Arun's share in the same period was
(a) 5:2 (b) 4: 5 (c) 6:3 (d) None of these
16. The increase in Arun's share from 2003 to 2004 was
(a) 400% (b) 600% (c) 500% (d) None of these
17. Who earned more money from 2003 to 2006?
(a) Rajesh (b) Arun (c) Both got equal amounts (d) Cannot be determined