

Q1. A and B can do a piece of work in 15 days. B and C can do the same work in 10 days and A and C can do the same work in 12 days. Time taken by A, B and C together to do the job is?

- (a) 4 days (b) 9 days  
(c) 8 days (d) 5 days

Q2. A, B and C can complete a work in 10, 12 and 15 days respectively. A left the work 5 days before the work was completed and B left 2 days after A had left. Number of days required to complete the whole work is?

- (a)  $8\frac{2}{3}$  days (b)  $6\frac{2}{3}$  days  
(c) 7 days (d) 6 days

Q3. A can complete a piece of work in 10 days, B in 15 days and C in 20 days. A and C worked together for two days and then A was replaced by B. In how many days, altogether, the work was completed?

- (a) 12 days (b) 10 days  
(c) 6 days (d) 8 days

Q4. A can complete a piece of work in 18 days, B in 20 days and C in 30 days. B and C together start the work and are forced to leave after 2 days. The time taken by A alone to complete the remaining work is?

- (a) 10 days (b) 12 days  
(c) 15 days (d) 16 days

Q5. A can do a piece of work in 20 days and B in 30 days. They work together for 7 days and then both leave the work. Then C alone finishes the remaining work in 10 days. In how many days will C finish the full work?

- (a) 25 days (b) 30 days  
(c) 24 days (d) 20 days

Q6. X can do a piece of work in 24 days. When he had worked for 4 days, Y joined him. If complete work was finished in 16 days, Y can alone finish that work in how many days?

- (a) 18 days (b) 27 days  
(c) 36 days (d) 42 days

Q7. If 6 men and 8 boys can do a piece of work in 10 days and, 26 men and 48 boys can do the same in 2 days. Then, the time taken by 15 men and 20 boys to do the same type of work will be?

- (a) 5 days (b) 4 days  
(c) 6 days (d) 7 days

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Q8. If 10 men or 20 women or 40 children can do a piece of work in 7 months. Then, 5 men, 5 women and 5 children together can-do half of the work in?

- (a) 6 months (b) 4 months  
(c) 5 months (d) 8 months

Q9. A company employed 200 workers to complete a certain work in 150 days. If only one-fourth of the work has been done in 50 days, then in order to complete the whole work in time, the number of additional workers to be employed was?

- (a) 100 (b) 300  
(c) 600 (d) 200

Q10. A contractor was engaged to construct a road in 16 days. After working for 12 days with 20 workers it was found that only  $\frac{5}{8}$ th of the road had been constructed. To complete the work in stipulated time the number of extra workers required is?

- (a) 18 (b) 10  
(c) 12 (d) 16

Q11. Two pipes A and B can fill a tank in 24 minutes and 32 minutes respectively. If both the pipes are opened simultaneously, after how much time should B be closed so that the tank is full in 15 minutes?

- (a) 12 min (b) 4 min  
(c) 6 min (d) 8 min

Q12. If two pipes function simultaneously the reservoir is filled in 12 hours. One pipe fills the reservoir 10 hours faster than the other. How many hours does the faster pipe take to fill the reservoir?

- (a) 20 hours (b) 30 hours  
(c) 35 hours (d) 45 hours

Q13. Three pipes A, B and C can fill a cistern in 6 hrs. After working together for 4 hours, C is closed, and A and B fill the cistern in 4 hours. Then find the time in which the cistern can be filled by pipe C?

- (a) 6 hours (b) 12 hours  
(c) 14 hours (d) 20 hours

Q14. A tank has a leak which would empty it in 8 hours. A tap is turned on which admits 6 litres a minute into the tank, and it is now emptied in 12 hours. How many litres does the tank hold?

- (a) 8260 liters (b) 8450 liters  
(c) 8640 liters (d) 8660 liters

Q15. A tank is normally filled in 8 hours but takes 2 hours longer to fill because of a leak in its bottom. If the cistern is full, in how many hours will the leak in the bottom empty half of the tank?

- (a) 20 hours (b) 45 hours  
(c) 50 hours (d) 55 hours

Q16. A alone can complete a work in 16 days and B alone in 12 days. Starting with A, they work on alternate days. The total work will be completed in:

- (a) 12 days (b) 13 days  
(c)  $13\frac{5}{7}$  days (d)  $13\frac{3}{4}$  days

Q17. A, B and C can do a piece of work in 20, 30 and 60 days respectively. In how many days can A do the work if he is assisted by B and C on every third day?

- (a) 12 days (b) 15 days  
(c) 16 days (d) 18 days

Q18. Twenty women can do a work in sixteen days. Sixteen men can complete the same work in fifteen days. What is the ratio between the capacity of a man and a woman?

- (a) 3:4 (b) 4:3  
(c) 5:3 (d) Data inadequate

Q19. 10 men can complete a piece of work in 15 days and 15 women can complete the same work in 12 days. If all the 10 men and 15 women work together, in how many days will the work get completed?

- (a) 6 (b)  $6\frac{1}{3}$   
(c)  $6\frac{2}{3}$  (d)  $7\frac{2}{3}$

Q20. 12 men complete a work in 9 days. After they have worked for 6 days, 6 more men join them. How many days will they take to complete the remaining work?

- (a) 2 days (b) 3 days  
(c) 4 days (d) 5 days

Q21. Three men, four women and six children can complete a work in seven days. A woman does double the work a man does and a child does half the work a man does. How many women alone can complete this work in 7 days?

- (a) 7 (b) 8  
(c) 12 (d) Cannot be determined

Q22. A man, a woman and a boy can complete a job in 3, 4 and 12 days respectively. How many boys must assist 1 man and 1 woman to complete the job in  $\frac{1}{4}$  of a day?

- (a) 1 (b) 4  
(c) 19 (d) 41

Q23. 10 men and 15 women together can complete a work in 6 days. It takes 100 days for one man alone to complete the same work. How many days will be required for one woman alone to complete the same work?

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- (a) 90 (b) 125  
(c) 145 (d) None of These

Q24. 4 men and 6 women can complete a work in 8 days, while 3 men and 7 women can complete it in 10 days. In how many days will 10 women complete it?

- (a) 35 (b) 40  
(c) 45 (d) 50

Q25. Twenty-four men can complete a work in sixteen days. Thirty-two women can complete the same work in twenty-four days. Sixteen men and sixteen women started working and worked for twelve days. How many more men are to be added to complete the remaining work in 2 days?

- (a) 16 (b) 24  
(c) 36 (d) 48

Q26. 12 men can complete a piece of work in 4 days, while 15 women can complete the same work in 4 days. 6 men start working on the job and after working for 2 days, all of them stopped working. How many women should be put on the job to complete the remaining work, if it is to be completed in 3 days?

- (a) 15 (b) 18  
(c) 22 (d) Data inadequate

Q27. A, B and C are employed to do a piece of work for Rs. 529. A and B together are supposed to do  $\frac{19}{23}$  of the work and B and C together  $\frac{8}{23}$  of the work. What amount should A be paid?

- (a) Rs. 315 (b) Rs. 345  
(c) Rs. 355 (d) Rs. 375

Q28. A and B can do a piece of work in 45 days and 40 days respectively. They began to do the work together but A leaves after some days and then B completed the remaining work in 23 days. The number of days after which A left the work was:

- (a) 6 (b) 8  
(c) 9 (d) 12

Q29. Kim can do a work in 3 days while David can do the same work in 2 days. Both of them finish the work together and get Rs. 150. What is the share of Kim?

- (a) Rs. 30 (b) Rs. 60  
(c) Rs. 70 (d) Rs. 75

Q30. A alone can do a piece of work in 6 days and B alone in 8 days. A and B undertook to do it for Rs. 3200. With the help of C, they completed the work in 3 days. How much is to be paid to C?

- (a) Rs. 375 (b) Rs. 400  
(c) Rs. 600 (d) Rs. 800

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