APTITUDE QUIZ

1. Arun can do a piece of work in 40 days, but Bala can do the same work in 5 days less, than Arun, when working alone. Arun and Bala both started the work together but Bala left after some days and Arun finished the remaining work in 30 days with half of his efficiency but he did the work with Bala with his complete efficiency. For how many days they had worked together?

A. 25/3 days

B. 31/3 days

C. 35/3 days

D. 38/3 days

E. None of these

2. Kiran can do a work in 20 days, while Karan can do the same work in 25 days. They started the work jointly. Few days later Suman also joined them and thus all of them completed the whole work in 10 days. All of them were paid total Rs.1000. What is the share of Suman?

A. 200

B. 400

C. 100

D. 300

E. 500

3. 7 Indian and 4 American finish a job in 6 days. 7 African and 3 American finish the same job in 8 days. The efficiency of each person of a particular nationality is same but different from others. One Indian One American and One African will complete the work in:

A. 10 days

B. 12 days

C. 24 days

D. 36 days

E. None of these

4. Chitra is twice efficient as Arun. Bala takes thrice as many days as Chitra. Arun takes 12 days to finish the work alone. If they work in pairs(i.e Arun-Bala, Bala-Chitra, Chitra-Arun) starting with Arun – Bala on the first day, Bala – Chitra on the second day and Chitra – Arun on the third day and so on, then how many days are required to finish the work?

A. 26/9 days

B. 46/9 days

C. 16/9 days

D. 56/9 days

E. None of these

5. A work is done by 30 workers not all of them have the same capacity to work. Every day exactly 2 workers, do the work with no pair of workers working together twice. Even after all possible pairs have worked once, all the workers together works for six more days to finish the work. Find the number of days in which all the workers together will finish the work?

A. 22 days

B. 20 days

C. 24 days

D. 35 days

E. 32 days

6. Arun can do a piece of work in 10 days, Bala in 15 days. They work together for 5 days, the rest of the work is finished by Chitra in two more days. If they get Rs. 5000 as wages for the whole work, what are the daily wages of Arun, Bala and Chitra respectively (in Rs)?

A. 600, 400, 500

B. 200, 300, 400

C. 500, 300, 400

D. 600, 500, 300

E. 400, 300, 200

7. A Contractor employed a certain number of workers to finish constructing a building in a certain scheduled time. Some time later, when a part of work had been completed, he realized that the work would get delayed by half of the scheduled time, so he at once

doubled the no of workers and thus he managed to finish the building on the scheduled time. How much work he had been completed, before increasing the number of workers?

A. 200/3 %

B. 100/3 %

C. 300/3 %

D. Can't be determined

E. None of these

8. (x-2) person can do a work in x days and (x+7) person can do 75% of the same work in (x-10)days. Then in how many days can (x+10) person finish the work?

A. 27 days

B. 12 days

C. 25 days

D. 18 days

E. None of these

9. The ratio of efficiency of Arun is to Chitra is 5:3. The ratio of number of days taken by Bala is to Chitra is 2:3. Arun takes 6 days less than Chitra, when Arun and Chitra complete the work individually. Bala and Chitra started the work and left after 2 days. The number of days taken by Arun to finish the remaining work is?

A. 4 days

B. 5 days

C. 6 days

D. 9 days

E. None of these

10. Arun is twice efficient as Bala and together they do the same work in as much time as Chitra and David together. If Chitra and David can complete the work in 20 and 30 days respectively, working alone, then in how many days A can complete the work individually?

A. 12 days

B. 18 days

C. 24 days

D. 30 days

E. None of these

11. Mohan can do a work in 15 days. After working for 3 days he is joined by Vinod. If they complete the remaining work in 3 more days, in how many days can Vinod alone complete the work?

A.10 days

B.8 days

C.5 days

D.12 days

E.15 days

12. Arun can do a certain work in the same time in which Bipasha and Rahul together can do it. If Arun and Bipasha together could do it in 10 days and Rahul alone in 50 days, then Bipasha alone could do it in:

A.15 days

B.20 days

C.25 days

D.30 days

E.35 days

13. Sekar, Pradeep and Sandeep can do a piece of work in 15 days. After all the three worked for 2 days, sekar left. Pradeep and Sandeep worked for 10 more days and Pradeep left. Sandeep worked for another 40 days and completed the work. In how many days can sekar alone complete the work if sandeep can complete it in 75 days?

A.25 days

B.20 days

C.30 days

D.35 days

E.15 days

14. Dinesh does 80% of a work in 20 days. He then calls in Gokul and they together finish the remaining work in 3 days. How long Gokul alone would take to do the whole work?

A.39 days

B.37 days

C.37 ½ days

D.40 days

E.39 ½ days

15. Hari and Vijay can together finish a work in 30 days. They worked together for 20 days and then Vijay left. After another 20 days, hari finished the remaining work. In how many days hari alone can finish the work?

A.45

B.60

C.35

D.50

E.65

16. Madhavan can finish a work in 5 hours. He invites Manohar and Manjima who can work 3/4th as fast as he can to join him. He also invites Mani and Mohan who can work only 1/5th as fast as he can to join him. If the five person team works the same job and they start together, how long will it take for them to finish the job?

A.50/97 days

B.87 days

C.50/29 days

D.78 days

E.62 days

17. A typing work is done by three person P, Q and R. P alone takes 10 hours to type a single booklet but B and C working together takes 4 hours, for the completion of the same booklet. If all of them worked together and completed 14 booklets, then how many hours have they worked?

A.30hrs

B.40hrs

C.25hrs

D.45hrs

E.50hrs

18. Nakul and Ram are working on a production company. Nakul takes 6 hours to make 32 products, while Ram takes 5 hours to make 40 products. How much time will they take, working together to make 110 products?

A.8 hours

B.8 hours 15 minutes

C.9 hours

D.8 hours 25 minutes

E.9 hours 15 minutes

19. Gopal does a work in 90 days, Vikas in 40 days and Santhosh in 12 days. They work one after another for a day each, starting with Gopal followed by Vikash and then by Santhosh. If the total wages received are Rs 360 and Gopal, Vikash, Santhosh share them in the ratio of the work done, find their respective individual wages.

A.Rs 44, Rs 80 and Rs 264

B.Rs 40, Rs 87 and Rs 276

C.Rs 36, Rs 81 and Rs 243

D.Rs 42, Rs 86 and Rs 232

E.Rs 37, Rs 89 and Rs 284

20. When Ashok and Karthik are working alone, they can complete a piece of work in 25 days and 30 days respectively. On day 1, Karthik started the work and Ashok joined B from day 3 on-wards. Find approximately after how many days will the work be completed?

A.20 days

B.10 days

C.15 days

D.25 days

E.30 days

ANSWERS

1. C
2. C
3. C
4. B
5. D
6. A
7. B
8. B
9. C
10. B
11. C
12. C
13. C
14. C
15. B
16. C
17. B
18. B
19. C
20. C