Time and Work

1. A man and his son together can do a work in 12 days. The man alone can do it in 20 days. In how many days can the son do the same work?

A) 23

B) 30

C) 40

D) 60

Answer: C) 40

2. 12 men can complete a task in 15 days. Four men left after 5 days. How many days did it take to complete?

A) 19

B) 20

C) 22

D) 24

Answer: D) 24

3. Two men can do a work in 12 days; working together with a boy, they take 8 days to finish the work. The boy alone can do it in:

A) 24 days

B) 30 days

C) 32 days

D) 36 days

Answer: D) 36

4. A can do a job in 18 days and B can do the same in 24 days. They work alternatively and A starts the work. Find total time taken.

A) 22 days

B) 21 days

C) 20 days

D) 19 days

Answer: A) 22

5. The efficiency of A is thrice that of B. They together finish the work in 12 days. The time taken by A alone will be:

A) 36 days

B) 20 days

C) 16 days

D) 18 days

Answer: A) 36

6. A and B alone can complete a work in 12 and 15 days. They work on alternate days, starting with A. Time taken to complete work:

A) 13 days

B) 14 days

C) 15 days

D) 16 days

Answer: B) 14

7. 4 men can complete a work in 32 days. After 8 days, 2 men leave. How many more days will be needed to complete the work?

A) 40 days

B) 36 days

C) 30 days

D) 45 days

Answer: B) 36

8. A and B can do a job in 10 and 15 days respectively. A starts and works for 2 days, then B works for 3 days. How much work is completed?

A) 50%

B) 60%

C) 70%

D) 80%

Answer: C) 70%

9. A and B can do a work in 12 and 16 days. A works alone for 4 days and then B alone finishes the work. Find total days to finish.

A) 14 days

B) 15 days

C) 16 days

D) 17 days

Answer: C) 16

10. 7 men can complete a work in 14 days. How many men are needed to complete it in 7 days?

A) 10

B) 12

C) 14

D) 16

Answer: C) 14

11. A and B can do a work in 20 and 30 days. They work alternate days starting with A. Find total days to complete the work.

A) 30

B) 28

C) 26

D) 24

Answer: C) 26

12. A completes a work in 15 days. B is 25% more efficient. Together, they work for 5 days. How long will B take to finish the remaining work?

A) 10 days

B) 12 days

C) 14 days

D) 16 days

Answer: A) 10

13. 10 men can complete a work in 6 days. After working for 2 days, 5 men left. How many more days needed?

A) 6 days

B) 7 days

C) 8 days

D) 10 days

Answer: D) 10

14. A's efficiency is double of B's efficiency. Working together, they finish work in 12 days. What is the time taken by B to do the work alone?

A) 24 days

B) 30 days

C) 18 days

D) 20 days

Answer: A) 24

15. 12 men can do work in 18 days. How many men needed to finish work in 9 days?

A) 15

B) 20

C) 18

D) 24

Answer: D) 24

16. 7 men start a work and after some days 5 more men join, work finished in 6 days. If 12 men can finish in 8 days, find how many days initial 7 men worked.

A) 2 days

B) 3 days

C) 4 days

D) 5 days

Answer: B) 3

17. A and B build a wall in 12 and 16 days respectively. They work on alternate days starting with A. Find total number of days to finish the job.

A) 14

B) 15

C) 16

D) 17

Answer: D) 17

18. A and B together can complete a work in 18 days. A alone can complete it in 30 days. Find days taken by B alone.

A) 40 days

B) 50 days

C) 60 days

D) 70 days

Answer: A) 45

19. One man can do a job in 12 days and another can do it in 16 days. How many days will they take to complete the work working alternately starting with first?

A) 14 days

B) 15 days

C) 16 days

D) 17 days

Answer: C) 16

20. A can do a work in 14 days, B in 21 days and C in 28 days. A and B work together for 3 days, then C joins them. Find total number of days to complete.

A) 6 days

B) 7 days

C) 8 days

D) 9 days

Answer: B) 7

21. A can complete 60% of a work in 18 days. B can complete 70% of the same work in 21 days. In how many days will A and B together complete the whole work?

A) 10 days

B) 12 days

C) 15 days

D) 17 days

Answer: A) 10

22. Five men working 8 days can finish a job but after 3 days, 2 men leave. How many days will it take to complete the remaining work?

A) 12 days

B) 15 days

C) 17 days

D) 20 days

Answer: B) 15

23. A machine takes 10 hours to fill a tank. Another machine fills the same tank in 15 hours. Both start together; after 5 hours first machine stops. How long will the second machine take?

A) 8 hours

B) 10 hours

C) 12 hours

D) 15 hours

Answer: B) 10

24. If 3 people can paint a wall in 10 hours, how long would 5 people take to paint the wall?

A) 6 hours

B) 7 hours

C) 8 hours

D) 9 hours

Answer: A) 6

25. Two taps fill a tank in 15 and 20 minutes. Another tap empties the tank in 30 minutes. How long will it take to fill the tank when all taps are opened together?

A) 12 minutes

B) 15 minutes

C) 18 minutes

D) 20 minutes

Answer: A) 12 minutes

26. Three men can do a job in 18 days. After 6 days, one leaves and the remaining two complete the job in 18 more days. Find the number of days the man who left would take to do the job alone.

A) 24 days

B) 30 days

C) 36 days

D) 42 days

Answer: C) 36

27. A can do a piece of work in 14 days, B in 20 days, and C in 28 days. They work together for 6 days. Find how many days C alone will take to finish the remaining work.

A) 8 days

B) 10 days

C) 12 days

D) 14 days

Answer: C) 12

28. 6 men can do a construction work in 30 days. 3 men leave after 15 days. Find total number of days required to complete the work.

A) 35 days

B) 40 days

C) 45 days

D) 50 days

Answer: C) 45

29. A and B together can do a job in 20 days. A alone can do it in 30 days. How long will B alone take?

A) 30 days

B) 40 days

C) 45 days

D) 50 days

Answer: C) 45

30. A does half the work in 10 days. B does the whole work in 30 days. A and B together will finish the work in:

A) 6 days

B) 8 days

C) 10 days

D) 12 days

Answer: B) 8

31. The ratio of work done by A and B in 12 days is 2:3. If B alone can do the work in 20 days, in how many days can A alone?

A) 30 days

B) 24 days

C) 28 days

D) 31 days

Answer: A) 30

32. Two men can do a job in 10 and 15 days respectively. They work on alternate days, starting with the first. Find total days to finish the work.

A) 12 days

B) 13 days

C) 14 days

D) 15 days

Answer: B) 13

33. A can do a work in 12 days and B in 18 days. A works for 4 days, then B does the remaining work. How long B will take?

A) 6 days

B) 8 days

C) 7 days

D) 9 days

Answer: B) 8

34. A and B together can assemble a machine in 10 days. They work together for 5 days, then B leaves. How long will A take to complete the rest?

A) 10 days

B) 12 days

C) 15 days

D) 18 days

Answer: B) 12

35. 8 men take 16 days to complete a job. After 4 days, 4 men left. How many more days the job will take to complete?

A) 18 days

B) 20 days

C) 22 days

D) 24 days

Answer: B) 20

36. A can do a work in 16 days and B in 24 days. A and B work together 6 days. Then B works alone. How many days B will take to finish remaining work?

A) 12 days

B) 14 days

C) 16 days

D) 18 days

Answer: A) 12

37. A man completes a job in 15 days. After working for 9 days he is assisted by his son who is twice efficient. How many days will they take to finish?

A) 4 days

B) 5 days

C) 6 days

D) 7 days

Answer: B) 5

38. If 10 men can do a work in 6 days, how many days will 15 men take?

A) 3 days

B) 4 days

C) 5 days

D) 6 days

Answer: B) 4

39. A and B can do a job in 24 and 30 days respectively. They work on alternate days starting with A. Find the number of days to finish the work?

A) 30 days

B) 28 days

C) 26 days

D) 25 days

Answer: B) 28

40. A and B together finish a job in 12 days. A alone can do it in 15 days. Find how many days B alone will take.

A) 20 days

B) 23 days

C) 25 days

D) 30 days

Answer: A) 20

41. Two taps can fill a tank in 20 and 30 minutes. A third tap empties the tank in 40 minutes. Find time to fill if all taps open together.

A) 12 minutes

B) 15 minutes

C) 16 minutes

D) 18 minutes

Answer: A) 12 minutes

42. 4 men can complete a piece of work in 18 days. After working for 5 days, 2 men leave. Time taken for completion?

A) 17 days

B) 18 days

C) 20 days

D) 21 days

Answer: C) 20

43. A and B can complete a work in 20 and 30 days respectively. They start together and work for 4 days when B stops working. How many days A alone will take?

A) 10 days

B) 12 days

C) 14 days

D) 15 days

Answer: B) 12

44. Five men can complete a work in 25 days. Two leave after working for 10 days. How many days will the rest take?

A) 22 days

B) 24 days

C) 26 days

D) 28 days

Answer: B) 24

45. Worker A can complete the work in 16 days. After working for 4 days, worker B joins and they finish the work together in 8 days. In how many days can worker B complete the work if working alone?

A) 18 days

B) 20 days

C) 24 days

D) 25 days

Answer: C) 24

46. Eight persons can build a wall in 40 days. After 10 days, four persons left. Time to finish work?

A) 45 days

B) 48 days

C) 50 days

D) 52 days

Answer: B) 48

47. A can do a job in 15 days and B in 10 days. They work alternately starting with A. Find total days to finish.

A) 20 days

B) 23 days

C) 25 days

D) 27 days

Answer: B) 23

48. A can do a work in 16 days. A, B and C together can do it in 12 days. B is twice as efficient as A. Find time taken by C alone.

A) 20 days

B) 26 days

C) 28 days

D) 30 days

Answer: A) 20

49. If 15 men can do a work in 12 days, in how many days can 20 men do the same work?

A) 8 days

B) 10 days

C) 12 days

D) 15 days

Answer: A) 8

50. Two pipes can fill a tank in 15 and 20 minutes separately. Third pipe empties tank in 30 minutes. When all tap open together, time to fill the tank is?

A) 10 minutes

B) 12 minutes

C) 15 minutes

D) 18 minutes

Answer: B) 12 minutes

51. A and B can together do a work in 18 days. A is twice as efficient as B. How many days will B take to do the work?

A) 27

B) 36

C) 45

D) 54

Answer: C) 45

52. 20 men working 6 hours per day can finish a work in 15 days. How many men are required to finish the work in 10 days working 8 hours per day?

A) 15

B) 18

C) 20

D) 22

Answer: B) 18

53. A can do a work in 10 days and B in 15 days. They work on alternate days starting with A. Find total time to finish the work.

A) 14 days

B) 15 days

C) 16 days

D) 17 days

Answer: B) 15

54. Two taps can fill a tank in 15 minutes and 20 minutes. A drain can empty it in 30 minutes. If all are opened together, how long to fill the tank?

A) 12 minutes

B) 13 minutes

C) 15 minutes

D) 18 minutes

Answer: A) 12

55. A can complete a work in 16 days, B in 24 days and C in 48 days. All work together but C leaves after 4 days. How long will A and B take to complete?

A) 10 days

B) 11 days

C) 12 days

D) 13 days

Answer: B) 11

56. 30 men can complete a job in 24 days. After working for 12 days, 10 men left. Find how many days finish the work?

A) 27

B) 30

C) 33

D) 36

Answer: C) 33

57. A man can do a job in 20 days. He works for 10 days and calls a helper twice as efficient. How many days needed to finish work?

A) 3

B) 5

C) 7

D) 10

Answer: A) 3

58. A can do a job in 18 days and B in 24 days. They work simultaneously for 6 days. Find the remaining work percentage.

A) 30%

B) 32%

C) 25%

D) 35%

Answer: A) 30%

59. A and B can complete a work in 12 and 24 days respectively, but B started 6 days earlier. Find total days taken.

A) 14

B) 15

C) 16

D) 18

Answer: A) 14

60. Two taps fill a tank in 12 and 15 minutes. Both started together, but after 6 minutes, one tap was closed. Find total time to fill the tank.

A) 15 minutes

B) 18 minutes

C) 20 minutes

D) 22 minutes

Answer: B) 18

61. A can do a work in 40 days and B in 30 days. They work together for 10 days and then B leaves. In how many days will A finish?

A) 20 days

B) 24 days

C) 25 days

D) 30 days

Answer: B) 24

62. 10 men finish a job in 8 days working 10 hours/day. How many hours/day for 8 men to finish in 10 days?

A) 9 hours

B) 10 hours

C) 12 hours

D) 14 hours

Answer: A) 9 hours

63. A, B and C can do a piece of work in 20, 30 and 60 days respectively. All begun together. After 4 days, C left. How long more will A and B take?

A) 10 days

B) 12 days

C) 14 days

D) 15 days

Answer: C) 14

64. A pipe fills a tank in 18 hours. Another fills the same tank in 24 hours. Both pipes are opened alternately starting with faster pipe. Time to fill tank?

A) 20 hours

B) 21 hours

C) 22 hours

D) 24 hours

Answer: A) 20

65. A and B together can complete a work in 28 days. They work alternatively but start with A. How many days will it take?

A) 42 days

B) 45 days

C) 50 days

D) 52 days

Answer: A) 42

66. A can complete work in 10 days; B is 25% more efficient than A. They work together. Find days required.

A) 5 days

B) 6 days

C) 7 days

D) 8 days

Answer: B) 6

67. Two taps fill a tank in 12 and 15 minutes, and drain empties in 30 minutes. When all opened together, find time to fill tank.

A) 10 minutes

B) 12 minutes

C) 14 minutes

D) 16 minutes

Answer: B) 12

68. A can do a job in 15 days and B in 18 days. A and B work alternatively, starting with A. Find total days to complete work.

A) 23

B) 24

C) 25

D) 26

Answer: B) 24

69. A group of 10 men finished a job in 15 days. After working for 5 days, 4 men left. How many days would the remaining men take?

A) 12

B) 15

C) 18

D) 20

Answer: C) 18

70. 15 men build a wall in 20 days. After some days, 5 men leave and wall completed in 24 days. Find number of days they worked together.

A) 14

B) 15

C) 16

D) 18

Answer: A) 14

71. A and B can do a piece of work in 10 and 15 days respectively. B works alone for 5 days, then A joins. How many days to finish work?

A) 7

B) 8

C) 9

D) 10

Answer: A) 7

72. 6 men can do a work in 18 days. 4 men join after 6 days. How long will total work take?

A) 10 days

B) 12 days

C) 14 days

D) 16 days

Answer: B) 12

73. A is twice as efficient as B. 8 men complete the work in 10 days. How long will 6 men take?

A) 13 days

B) 14 days

C) 15 days

D) 16 days

Answer: A) 13

74. A and B together complete a work in 10 days. A alone can do it in 12 days. B alone can do it in?

A) 14 days

B) 16 days

C) 20 days

D) 22 days

Answer: C) 20

75. If 22 men can do a piece of work in 5 days, how many days will 11 men take?

A) 8 days

B) 9 days

C) 10 days

D) 11 days

Answer: C) 10

76. A can do a job in 5 days, B can do the same job in 8 days. How long will it take them to do the job together?

A) 3 days

B) 4 days

C) 5 days

D) 6 days

Answer: B) 4 days

77. Three persons can do a job in 14, 16 and 18 days respectively. All working together, find time to finish.

A) 5.5 days

B) 6 days

C) 6.5 days

D) 7 days

Answer: A) 5.5 days

78. A can complete a work in 20 days. He works for 5 days and then B joins who is twice as efficient as A. How many days more required to complete?

A) 5 days

B) 7 days

C) 8 days

D) 10 days

Answer: B) 7

79. If 5 men can do work in 10 days. After working 6 days, 2 men leave. Find how many days needed to finish the work.

A) 7

B) 8

C) 9

D) 10

Answer: B) 8

80. A, B and C complete a work in 12, 16 and 24 days respectively. A and B work for 6 days, then C does the rest. How many days will C take?

A) 15

B) 18

C) 20

D) 22

Answer: C) 20

81. A can do a job in 15 days and B in 20 days. Starting together, but B leaves after 5 days. How many more days will A take?

A) 12 days

B) 15 days

C) 18 days

D) 20 days

Answer: D) 20

82. A and B can do a job in 18 and 24 days respectively. Working on alternate days starting with A. Time to finish?

A) 25 days

B) 26 days

C) 27 days

D) 28 days

Answer: B) 26

83. A man can do a job in 6 days. He employed two boys who can do the same work in 10 days together. How long will it take to finish the job?

A) 3 days

B) 2 days

C) 4 days

D) 5 days

Answer: C) 4 days

84. 10 men can complete a work in 20 days. After 8 days, 5 men left. How many days needed to finish?

A) 20 days

B) 22 days

C) 24 days

D) 26 days

Answer: C) 24

85. Pipe A can fill a tank in 6 hours. A leak can empty the tank in 8 hours. If both are opened together, in how many hours will the tank be full?

A) 12 hours

B) 13 hours

C) 14 hours

D) 15 hours

Answer: A) 12

86. Man A can do a work in 10 days and Man B in 15 days. How many days will they take to do the work, working alternately starting with A?

A) 12 days

B) 14 days

C) 15 days

D) 16 days

Answer: B) 14

87. A and B can do a job in 24 and 36 days. Working together for 4 days, then A left. How many days will B take to finish?

A) 10 days

B) 12 days

C) 14 days

D) 15 days

Answer: B) 12

88. A and B can do a work in 15 and 20 days respectively. They start together but B leaves after 5 days. How long will A take alone?

A) 12 days

B) 13 days

C) 14 days

D) 15 days

Answer: C) 14

89. A man and a woman together can do a job in 10 days. The woman alone can do it in 15 days. How long will the man alone take?

A) 20 days

B) 22.5 days

C) 25 days

D) 27 days

Answer: B) 22.5

90. A can do a work in 14 days and B in 16 days. They work alternately starting with A. How long will it take?

A) 24 days

B) 26 days

C) 28 days

D) 29 days

Answer: B) 26

91. A can do a work in 18 days. He works for 6 days and a boy helps him to finish the work in 4 days. If boy alone can do the work in:

A) 12 days

B) 16 days

C) 20 days

D) 22 days

Answer: B) 16

92. The ratio of efficiency of two persons is 3:2. They together can do a work in 12 days. Find time taken by more efficient person to finish the work alone.

A) 16 days

B) 18 days

C) 20 days

D) 22 days

Answer: B) 18

93. A and B can do a work in 8 and 10 days respectively. A works alone for 3 days and then B joins. Find total days to complete work.

A) 4 days

B) 5 days

C) 6 days

D) 7 days

Answer: B) 5

94. 8 men can dig a hole in 24 days. After 8 days 3 men left. Number of days needed?

A) 16 days

B) 20 days

C) 23 days

D) 27 days

Answer: B) 20

95. A can complete a work in 20 days. He does 20% of the work and stops. B alone completes in 25 days. How long will B take for remaining work?

A) 20 days

B) 22 days

C) 24 days

D) 25 days

Answer: D) 25

96. 3 men can do a work in 18 days. 4 more men join after 6 days. Find total days?

A) 11 days

B) 12 days

C) 13 days

D) 14 days

Answer: A) 11

97. A and B can do a job in 15 and 20 days respectively. If they work on alternate days starting with B, find total time taken.

A) 18 days

B) 19 days

C) 20 days

D) 21 days

Answer: B) 19

98. 7 men and 5 women can do a job in 12 days. 4 men and 10 women can do it in 10 days. Find days for 1 man and 1 woman.

A) 80 days

B) 90 days

C) 100 days

D) 110 days

Answer: A) 80

99. 6 men can complete a work in 20 days. 3 men joined after 8 days. Time to complete the work?

A) 14 days

B) 15 days

C) 18 days

D) 20 days

Answer: C) 18

100. A and B can do a piece of work in 20 and 25 days respectively. A starts alone: B joins and they complete in 12 days. How many days A worked alone?

A) 4 days

B) 5 days

C) 6 days

D) 7 days

Answer: B) 5