Time and Work

1. A and B together can do a work in 15 days. If A is twice as efficient as B, then in how many days will A alone finish the work?

A) 30

B) 20

C) 25

D) 40

Answer: B) 20

2. A does $$\frac{1}{3}$$ of a work in 12 days. How many days will he take to finish the whole work?

A) 36

B) 24

C) 20

D) 16

Answer: A) 36

3. A and B can do a work in 12 and 15 days respectively. In how many days can they finish the work if they work together?

A) 6.6

B) 6.8

C) 7.2

D) 8.2

Answer: C) 7.2

4. A is thrice as good a workman as B. If together they can complete a work in 12 days, in how many days will B complete it alone?

A) 18

B) 20

C) 24

D) 28

Answer: C) 24

5. If 5 men can do a work in 20 days, how long will 10 men take to finish it?

A) 5

B) 10

C) 15

D) 20

Answer: B) 10

6. A, B and C can do a piece of work in 8, 12 and 24 days respectively. What part of the work they will be able to do together in 2 days?

A) $$\frac{3}{8}$$

B) $$\frac{2}{8}$$

C) $$\frac{5}{12}$$

D) $$\frac{1}{3}$$

Answer: A) $$\frac{3}{8}$$

7. Two persons A and B can do a work in 10 and 15 days respectively. They started the work together, but after 2 days A left. How many days will B take to complete the remaining work?

A) 10

B) 13

C) 15

D) 12

Answer: B) 13

8. A can do 60% of work in 4 days, then B alone can do the remaining work in 6 days. How long will B take to complete the whole work?

A) 16

B) 18

C) 20

D) 24

Answer: C) 20

9. A and B together can finish a job in 6 days. After they worked together 2 days, B left and A finished the remaining work in 6 days. Find time taken by B alone to finish the job.

A) 12

B) 14

C) 16

D) 18

Answer: C) 16

10. A can finish work in 6 days, B in 8 days and C in 12 days. Working together, the work can be completed in:

A) 2 days

B) 3 days

C) 4 days

D) 6 days

Answer: B) 3

11. A can do a job in 12 days, B in 18 days, and C in 24 days. They all work together 4 days then A and B continue and finish the remaining job. How many more days are needed?

A) 3

B) 4

C) 5

D) 6

Answer: A) 3

12. Worker A can do a job in 10 days and worker B in 30 days. Worker B started the job alone but after 3 days A joined him, how many days will they together finish the job?

A) 7

B) 10

C) 11

D) 12

Answer: A) 7

13. Two taps can fill a tank in 10 hours and 12 hours respectively. How long will they take to fill the tank when both are opened together?

A) 5.5 hours

B) 6 hours

C) 5.4 hours

D) 6.2 hours

Answer: B) 5.5 hours

14. The efficiency of A is twice that of B. They finish a work together in 9 days. Find the time taken by B alone to finish the work.

A) 18

B) 20

C) 26

D) 24

Answer: D) 24

15. A man can do a work in 20 days. After working for 12 days, he is assisted by a boy, and together they finish the work in next 5 days. How long will the boy take to finish the work alone?

A) 60

B) 50

C) 40

D) 30

Answer: C) 40

16. 8 men can do a job in 15 days, but after 5 days, 4 men leave. Find total days to complete the job.

A) 16.5

B) 17.5

C) 18.5

D) 19.5

Answer: C) 18.5

17. A can do a job in 18 days, B in 24 days and C in 36 days. They work together for 6 days, and then A and B leave. How long will C take to finish remaining job?

A) 12

B) 14

C) 15

D) 16

Answer: D) 16

18. Three men can do a work in 24 days. After 8 days, one leaves, yet the remaining men finish the work in 24 days. Find the time taken by the man who left to finish the work alone.

A) 40

B) 48

C) 50

D) 56

Answer: B) 48

19. A and B together can do a work in 10 days. B alone can do it in 15 days. In how many days A alone can do the work?

A) 12

B) 9

C) 7

D) 6

Answer: C) 6

20. Two taps can fill a tank in 20 hours and 30 hours respectively. Both taps are opened together for 5 hours, and then the bigger tap is closed. How much time will the smaller tap take to fill the tank?

A) 7 hours

B) 8 hours

C) 10 hours

D) 12 hours

Answer: C) 10

21. A alone can do a work in 12 days and B alone in 18 days. How many days will A and B take to do the work, if they work alternate days starting with A?

A) 13

B) 14

C) 15

D) 16

Answer: B) 14

22. A man can finish a work in 30 days. He employs a boy who is half as efficient. How long will it take for them to complete the work?

A) 18

B) 20

C) 24

D) 26

Answer: C) 20

23. If 5 men or 10 boys can complete a work in 20 days, then 6 men and 8 boys can complete the work in how many days?

A) 14

B) 16

C) 12

D) 18

Answer: B) 16

24. A can finish work 30% faster than B. If they can finish work together in 20 days, find the time B alone takes.

A) 30

B) 32

C) 36

D) 40

Answer: D) 40

25. A and B can do a work in 15 days and 20 days respectively. They work alternately starting with A. How long will it take to finish the work?

A) 29

B) 30

C) 31

D) 32

Answer: A) 29

26. 3 workers can do a job in 10 days. If one leaves after 4 days, how long will the remaining two take to finish the work?

A) 6

B) 8

C) 9

D) 10

Answer: C) 9

27. A machine can complete a piece of work in 20 days. Another machine takes 30 days to complete same work. How long will both working together take?

A) 12

B) 15

C) 16

D) 18

Answer: B) 12

28. A group of workers can finish a piece of work in 10 days. When 3 more workers are added, they can finish the work in 8 days. Find the number of initial workers.

A) 10

B) 12

C) 15

D) 18

Answer: B) 12

29. If A is 20% more efficient than B, and A alone can do a job in 10 days, find how long B will take to do the same job.

A) 12

B) 14

C) 15

D) 16

Answer: C) 15

30. Two pipes filling a tank separately take 10 and 15 hours respectively. If both open together, time to fill tank?

A) 6

B) 7.5

C) 8

D) 9

Answer: A) 6

31. A job can be done by 7 men in 16 days. After 6 days, 3 men left. How many more days will the work take?

A) 11

B) 13

C) 16

D) 18

Answer: A) 11

32. A and B can do a work separately in 10 and 15 days. A starts the work and works for 4 days. Then B finishes the work. Find total days taken.

A) 8

B) 9

C) 10

D) 11

Answer: A) 8

33. A and B can do a piece of work in 20 days. They started working together, but A left after some days, and B finished in 10 more days. If A worked for 6 days, find time to complete the work.

A) 16

B) 18

C) 20

D) 22

Answer: A) 16

34. 10 workers complete work in 12 days. How long 15 workers take for the same?

A) 6

B) 8

C) 9

D) 10

Answer: B) 8

35. 3 men working together can complete a work in 8 days. How long will 6 men take?

A) 3

B) 4

C) 5

D) 6

Answer: B) 4

36. One man can do a piece of work in 10 days, and another man is twice as efficient. How long do they take together to do the work?

A) 3.3

B) 3.5

C) 4

D) 5

Answer: A) 3.3

37. A can do a work in 8 days. B can do the same work in 4 days. If they work alternately starting with A, how many days to complete the work?

A) 7

B) 6

C) 8

D) 5

Answer: A) 7

38. Two pipes can fill a tank in 20 and 30 min. Another pipe can empty the tank in 40 min. When all 3 opened together, tank is full in:

A) 15 min

B) 20 min

C) 25 min

D) 30 min

Answer: C) 25 min

39. A machine working alone takes 10 hours to finish a job. Another machine takes 15 hours. Working together, time taken?

A) 6 hours

B) 7 hours

C) 8 hours

D) 9 hours

Answer: A) 6 hours

40. 15 men working for 6 days complete a work. How many more men should be added so the work finishes in 4 days?

A) 15

B) 20

C) 25

D) 30

Answer: B) 20

41. A worker earns Rs 150 per day. If he works alone, he will finish a job in 20 days. If he gets a helper who earns Rs 75/day, and the work finishes in 12 days, how many helpers are there?

A) 2

B) 3

C) 4

D) 5

Answer: A) 2

42. Three workers can build a wall in 10 days. How many days will 5 workers take to build the same wall?

A) 5

B) 6

C) 7

D) 8

Answer: B) 6

43. A, B and C can complete a work in 12, 15 and 18 days respectively. The time required to complete work by A and B working together after C leaves is:

A) 6 days

B) 7 days

C) 8 days

D) 9 days

Answer: C) 8 days

44. 4 men can do a job in 12 days while 3 men can do the same job in 16 days. If 7 men work together, how many days will the work be completed?

A) 7 days

B) 8 days

C) 9 days

D) 10 days

Answer: B) 8 days

45. A and B together can do a work in 18 days. A alone can do it in 30 days. How long B alone can do it in?

A) 35 days

B) 45 days

C) 60 days

D) 90 days

Answer: B) 45 days

46. 5 men work 10 hours a day and finish a work in 30 days. How many men are needed to finish the work in 15 days working 10 hours per day?

A) 7

B) 8

C) 9

D) 10

Answer: B) 8

47. Two taps fill a tank in 20 and 30 minutes. Find time taken if both taps work from 12 noon to 1 pm and only first tap works from 1 pm.

A) 1.5 hours

B) 1.8 hours

C) 2 hours

D) 2.2 hours

Answer: A) 1.5 hours

48. A can complete a work in 20 days and B can complete the same work in 30 days. How long will A take if working alone after 10 days of B's work?

A) 15 days

B) 18 days

C) 20 days

D) 22 days

Answer: B) 18 days

49. 10 men can build a wall in 5 days. How many days will 15 men take?

A) 3 days

B) 4 days

C) 5 days

D) 6 days

Answer: A) 3 days

50. 4 men finish a work in 20 days. If one man leaves after 5 days, what is the total number of days to complete the work?

A) 21.3 days

B) 22.2 days

C) 23 days

D) 25 days

Answer: C) 23 days

51. If 5 men can complete a work in 20 days, how many days will 10 men take to do the same work?

A) 10

B) 15

C) 20

D) 25

Answer: A) 10

52. A and B together can do a work in 12 days. A is twice as efficient as B. How many days will B alone take?

A) 18

B) 16

C) 24

D) 20

Answer: A) 18

53. A can do a piece of work in 10 days. B is twice as efficient as A. They work together for 3 days. How many days will B take to complete remaining work?

A) 2

B) 3

C) 4

D) 5

Answer: C) 4

54. 12 workers can complete a task in 48 days. After 16 days, 4 workers left. How many days are required to complete the task?

A) 24

B) 30

C) 36

D) 40

Answer: C) 36

55. A team of 6 men can do a work in 20 days. After 8 days, 2 men left. How long more will the remaining men take to finish the work?

A) 17

B) 18

C) 19

D) 20

Answer: A) 17

56. A and B together complete a work in 15 days. A alone can complete it in 20 days. How many days does B alone take?

A) 30

B) 35

C) 25

D) 40

Answer: A) 30

57. A can do a work in 12 days and B in 15 days. Both work together for 6 days. How much work is left?

A) 1/2

B) 1/3

C) 1/4

D) 1/5

Answer: C) 1/4

58. A machine does a job in 10 hours. Another machine does the same job in 15 hours. How long will they take to do the job working together?

A) 6

B) 7.5

C) 8

D) 9

Answer: A) 6

59. Three persons A, B and C can do a piece of work in 12, 16 and 24 days respectively. How long will they take to do the same work together?

A) 5 days

B) 6 days

C) 7 days

D) 8 days

Answer: B) 6

60. A can do a work in 20 days, B is twice more efficient than A. How long B will take to do the work?

A) 10 days

B) 15 days

C) 20 days

D) 25 days

Answer: A) 10

61. Five men working together can do a job in 12 days. How many men are required to do the same work in 6 days?

A) 8

B) 9

C) 10

D) 12

Answer: C) 10

62. A worker can do a job in 18 days. He works for 9 days and then is assisted by help. Together they finish the remaining work in 6 days. How long will the helper take to do the whole work alone?

A) 36

B) 27

C) 45

D) 30

Answer: D) 30

63. If 6 men can do a work in 15 days, then 9 men will do it in:

A) 8

B) 10

C) 12

D) 15

Answer: C) 10

64. A can do a job in 5 days. B has twice the capacity of A. How long will B take to do the job?

A) 2.5 days

B) 3 days

C) 4 days

D) 5 days

Answer: A) 2.5 days

65. Two men A and B complete a work in 9 days working together. They work for 5 days together and then A left. Find how many days will B alone take for the rest of the work?

A) 10

B) 12

C) 15

D) 20

Answer: A) 10

66. 12 men start working on a job. After 6 days, 4 men left. How many days will the remaining men require to complete the job?

A) 13

B) 14

C) 16

D) 18

Answer: D) 18

67. Workers A and B can do a work in 15 days and 20 days respectively. If both work for 6 days and then A leaves, how many days will B require to complete the remaining work?

A) 15

B) 18

C) 20

D) 22

Answer: B) 18

68. A can do a work in 12 days and B in 16 days. A was assisted by B for 4 days and then B left. How long will A take to complete the remaining work alone?

A) 6

B) 8

C) 10

D) 12

Answer: C) 10

69. A and B working separately finish a work in 12 and 24 days respectively. B started working alone but after 4 days, A joined and both worked together to finish the work. Find the total number of days taken.

A) 9

B) 7

C) 10

D) 8

Answer: D) 8

70. A and B together can complete a job in 12 days. They started working together but A left after 5 days. B took 12 more days to finish the job. Find the total number of days taken by A and B.

A) 17

B) 19

C) 20

D) 21

Answer: B) 19

71. A and B can do a work in 10 and 15 days respectively. They work alternately starting with A. Find the total number of days required to finish the work.

A) 16

B) 17

C) 18

D) 19

Answer: C) 18

72. Eight men can complete a work in 20 days. How many men should be added so the work can be completed in 8 days?

A) 12

B) 14

C) 18

D) 24

Answer: C) 18

73. A and B can do a work in 50 and 75 days respectively. They start the work together but B leaves after 25 days. How many more days will be required by A to finish the work?

A) 33

B) 36

C) 39

D) 40

Answer: C) 39

74. A can finish a piece of work in 10 days and B can do the same work in 15 days. Both started the work together. After 3 days, A leaves, how many days will B need to complete the remaining work?

A) 7

B) 8

C) 10

D) 12

Answer: C) 10

75. Nine men complete the work in 15 days. After 5 days, three men left. How many days more will the remaining men take?

A) 15

B) 20

C) 25

D) 30

Answer: B) 20

76. The efficiency of A is twice that of B. If B alone can do a piece of work in 12 days, how long will A and B together take to finish the work?

A) 4 days

B) 6 days

C) 8 days

D) 10 days

Answer: B) 6

77. 7 men complete a work in 28 days. They worked for n days after which 3 more men joined, and the work was completed in 21 days. Find n.

A) 7

B) 8

C) 9

D) 10

Answer: C) 9

78. A can complete a job in 30 days, and B in 45 days. How long will they take together to finish the work?

A) 18 days

B) 20 days

C) 24 days

D) 25 days

Answer: A) 18 days

79. A works on a job for 12 days. If B alone could complete the job in 20 days and A alone in 15 days, how many days will B take to finish the remaining work?

A) 8 days

B) 9 days

C) 10 days

D) 11 days

Answer: A) 8 days

80. Six men can do a piece of work in 15 days. After 6 days, half of the men left. How many days will the remaining men take?

A) 14 days

B) 15 days

C) 17 days

D) 18 days

Answer: C) 17 days

81. A and B can do a work in 8 and 6 days respectively. They work on alternate days starting with A. Find how many total days will they take to finish the work?

A) 10 days

B) 11 days

C) 12 days

D) 13 days

Answer: C) 12 days

82. A can do a work in 22 days, B is twice as efficient as A. If they work together in alternate days starting with A, find the number of days to finish the work.

A) 14 days

B) 16 days

C) 18 days

D) 20 days

Answer: B) 16 days

83. A can complete a work in 9 days and B in 18 days. A works for 4 days after which B works. How many days will B take to complete the work?

A) 4 days

B) 5 days

C) 6 days

D) 7 days

Answer: B) 5 days

84. A can do a job in 5 days, B in 6 days, and C in 10 days. How long will it take if all three work together?

A) 2 days

B) 2.5 days

C) 3 days

D) 4 days

Answer: B) 2.5 days

85. If A can do a work in 6 days and B can do same work in 8 days, they work alternatively starting with A for first day. How long will it take to complete the work?

A) 7 days

B) 7.5 days

C) 8 days

D) 8.5 days

Answer: C) 8 days

86. A can do a job in 12 days, B can do it in 16 days. They work on alternate days starting with A. The total time to complete the job is:

A) 14 days

B) 15 days

C) 16 days

D) 18 days

Answer: B) 15 days

87. A can do a work in 12 days, B is 20% more efficient than A. How many days will B take?

A) 10 days

B) 8 days

C) 9 days

D) 11 days

Answer: A) 10 days

88. A can do a work in 30 days, B in 20 days. They work 5 days together, after that A leaves. Find how many days B will take to finish the work.

A) 9 days

B) 10 days

C) 12 days

D) 15 days

Answer: B) 10 days

89. A and B working together can do a work in 18 days. A alone can do it in 24 days. In how many days will B alone be able to do it?

A) 33 days

B) 38 days

C) 36 days

D) 40 days

Answer: C) 36 days

90. A and B can do a work in 12 and 15 days. They work on alternate days starting with A. Find how many days to complete work.

A) 15 days

B) 17 days

C) 18 days

D) 20 days

Answer: A) 15 days

91. A can do a work in 15 days, B in 18 days. They work on alternate days starting with A. Find total days to complete work.

A) 17 days

B) 18 days

C) 19 days

D) 20 days

Answer: B) 18 days

92. A is twice as efficient as B. They can do a work in 12 days working together. How long will B take to finish the work alone?

A) 18 days

B) 20 days

C) 24 days

D) 30 days

Answer: C) 24 days

93. A and B can complete a work in 15 days and 20 days respectively. A started alone and works for 4 days, then B joins. How many days more to finish work?

A) 10 days

B) 11 days

C) 12 days

D) 13 days

Answer: A) 10 days

94. Two pipes can fill a tank in 6 and 8 hours separately. Both are opened together. After 3 hours, a third pipe is also opened which empties tank in 6 hours. Find time to fill tank.

A) 6 hours

B) 7 hours

C) 8 hours

D) 9 hours

Answer: B) 7 hours

95. A alone can do a work in 10 days, B being twice as efficient as A. They work together for 3 days. How many days will B take to finish the remaining work?

A) 5 days

B) 6 days

C) 7 days

D) 8 days

Answer: A) 5 days

96. 7 men can build a wall in 28 days. After 6 days, 2 men left. How many days will the remaining men take to finish?

A) 24 days

B) 26 days

C) 28 days

D) 30 days

Answer: B) 26 days

97. A can do a job in 12 days, B in 15 days and C in 30 days. How long will all 3 take to finish the job working together?

A) 5 days

B) 6 days

C) 7 days

D) 8 days

Answer: B) 6 days

98. A and B working together finish a job in 20 days. A alone can complete it in 30 days. Find time taken by B alone.

A) 40 days

B) 45 days

C) 50 days

D) 60 days

Answer: A) 40 days

99. A completes a work in 30 days, assisted by B and C who are twice and thrice as efficient. How long will they take to finish if all work together?

A) 8 days

B) 7 days

C) 6 days

D) 5 days

Answer: C) 6 days

100. A and B can build a wall in 12 and 18 days respectively. They work on alternate days beginning with A. Find how much time to complete wall.

A) 16 days

B) 18 days

C) 20 days

D) 22 days

Answer: A) 16 days