



Time and Work

1. 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

2. A pipe can fill a cistern in 12 minutes and another pipe can fill it in 15 minutes, but third pipe can empty it in 6 minutes. The first two pipes are kept open for 5 minutes in the beginning and then the third pipe also opened. Number of minutes taken empty the cistern is

a) 42 b) 45 c) 38 d) 22

3. Sunil completes a work in 4 days, whereas Dinesh completes the work in 6 days. Ramesh works times as fast as Sunil.

The three together can complete the work in

4. A can complete a work in 20 days and B in 30 days. A worked alone for 4 days and the B completed the remaining work along with C in 18 days. In how many days can C complete the work

a) 72 b) 90 c) 12 d) 68

5. A and B each working alone can do a work in 15 days and 25 days respectively. They started the work together, but B left after some time and A finished the remaining work in 7 days. After how many days from the start did B leave

a) 7 b) 9 c) 3 d) 5

6. P and Q together can do a job in 6 days. Q and R can finish the same job in 60/7 days. P started the work and worked for 3 days. Remaining work is finished by Q and R continued in 6 days. Then the difference of days in which R and P can complete the job is

a) 15 b) 10 c) 8 d) 12

7. A, B and C can do a work separately in 16, 32 and 48 days respectively. They started the work together but B left off 8 days and C six days before the completion of the work. In what time is the work finished?

a) 10 days b) 9 days c) 12 days d) 14 days

8. A can do a piece of work in 10 days and B can do it in 12 days. They work together for 3 days. Then B leaves and A alone continue. 2 days after that C joins and the work is completed in 2 days more. In how many days can C do it, if he works alone?

a) 30 days b) 50 days c) 40 days d) 60 days

9. A can do one-third of a work in 15 days, B can do 75% of the same work in 18 days and C can do the same work in 36 days. B and C worked together for 8 days. In how many days will A alone complete the remaining work?

a) 24 days b) 18 days c) 20 days d) 16 days

10. A and B can do a piece of work in 6 days and 8 days, respectively. With the help of C, they completed the work in 3 days and earned ₹1,848. What was the share of C?

a) ₹231 b) ₹924 c) ₹462 d) ₹693

11. A and B can do a piece of work in 18 days, B and C in 24 days, A and C in 36 days. Working together they can do the work in

a) 12 days b) 13 days c) 16 days d) 26 days

12. A is thrice as productive as C. Together they can complete a job in 22.5 days. If B joins them after they have worked for 15 days then in how many days can they finish the rest of the job if B alone can do the job in 15 days?

a) 6 b) 3 c) 9 d) 2

13. A and B can complete a job in 24 days working together. A alone can complete it in 32 days. Both of them worked together for 8 days and then A left. The number of days B will take to complete the remaining job is

a) 64 b) 128 c) 16 d) 32

14. Two workers A and B working together completed a job in 5 days. If A worked twice as efficiently as he actually did and B worked $\frac{1}{3}$ as efficiently as he actually did, the work would have been completed in 3 days. To complete the job alone, A would require

15. A can do a piece of work in 24 days, B in 52 days and C in 64 days. All begin to do it together, but A leaves after 6 days and B leaves 6 days before the completion of the work. How many days did the work last (nearest to an integer)?

a) 25 b) 20 c) 18 d) 30

16. A cistern has 3 pipes A, B and C. A and B can fill it in 3 hours and 4 hours respectively, and C can empty it in 1 hour. If the pipes are opened at 3 p.m., 4 p.m. and 5 p.m. respectively on the same day, the cistern will be empty at

a) 7:12 p.m. b) 7:15 p.m. c) 7:10 p.m. d) 7:18 p.m.

17. A certain number of pages need to be typed. A, B and C are assigned to do this job. However, C leaves after 4 days when 40% of the job was complete. In this way, it takes 13 days to finish the job. Also, B can type twice as fast as A. How much would the fastest worker take to type the entire set of pages alone? **Time and Work**

a) 22.5 days b) 45 days c) 30 days d) 20 days

18. A, B and C together can finish a task in 7.5 days. C is thrice as productive as A and B alone can do the task in 15 days. In how many days can A and B do the job if C goes on leave?

a) 30 b) 10 c) 12 d) 15

19. Two pipes can fill a tank in 12 hrs and 18 hrs respectively. The pipes are opened together but due to a pipe leakage, it takes 48 minutes extra to fill the tank, if the tank is full, what time will it take to completely empty due to the leakage.

a) 72 hrs b) 84 hrs c) 96 hrs d) 112 hrs

20. Pipes A, B and C can fill a tank in 30 h, 40 h and 60 h respectively. Pipes A, B and C are opened at 7 a.m., 8 a.m. and 10 a.m., respectively on the same day. When will the tank be full?

a) 10.00 p.m. b) 10.20 p.m. c) 9.20 p.m. d) 9.40 p.m.



21. Pipes A and B can fill a

tank in 16 hours and 24 hours, respectively, and pipe C alone can empty the full tank in x hours. All the pipes were opened together at 10:30 a.m., but C was closed at 2:30 p.m. If the tank was full at 8:30 p.m. on the same day, then what is the value of x?

- a) 64 b) 48 c) 45 d) 96

22. A can do 40% of a work in 12 days, whereas B can do 60% of the same work in 15 days. Both work together for 10 days. C completes the remaining work alone in 4 days. A, B and C together will complete 28% of the same work in:

23. A is as efficient as B and C together. Working together A and B can complete a work in 36 days and C alone can complete it in 60 days. A and C worked together for 10 days. B alone will complete the remaining work in:

- a) 110 days b) 88 days c) 84 days d) 90 days

24. Pipes A and B are filling pipes while pipe C is an emptying pipe. A and B can fill a tank in 72 and 90 minutes respectively. When all the three pipes are opened together, the tank gets filled in 2 hours. A and B are opened together for 12 minutes, then closed and C is opened. The tank will be empty after:

- a) 15 minutes b) 18 minutes c) 12 minutes d) 16 minutes

25. A and B can do a given piece of work in 8 days. B and C can do the same work in 12 days and A, B, C complete it in 6 days. Number of days required to finish the work by A and C is

- a) 16 b) 8 c) 12 d) 24

1. Cup is to coffee as bowl is to

- (a) Dish (b) Soup (c) Spoon (d) Food

2. Cup is to coffee as bowl is to

- (a) Dish (b) Soup (c) Spoon (d) Food

3. Play is to actor as concert is to

- (a) Symphony (b) Musician (c) Piano (d) Percussion

4. Play is to actor as concert is to

- (a) Symphony (b) Musician (c) Piano (d) Percussion

5. Palette Easel Brush
Textbook Lessonplan ?

- (a) Artist (b) Teacher (c) Report Card (d) Paint

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Textbook Lessonplan ?

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7. Pituitary: brain :: thymus : ?

- (a) Throat (b) Chest (c) Spinal cord (d) Larynx

8.

Select the related word pair from the given alternatives.

EXPLORE : DISCOVER

- (a) Read: Skim (b) Research: Learn (c) Write: print (d) Think: Relate

9.

Sound : Medium : : Light : ?

- (a) Air (b) Vacuum (c) Water (d) Glass

10.

Forecast : Future : : Regret : ?

- (a) Present (b) Atonement (c) Past (d) Sins

11.

Family : Home : : Colleagues : ?

- (a) Work (b) Office (c) Building (d) Friends

12.

Family : Home : : Colleagues : ?

- (a) Work (b) Office (c) Building (d) Friends

13.

INDIA : PEACOCK : : USA : ?

- (a) Red Kite (b) Bald Eagle (c) Mute swan (d) Robin

14.

INDIA : PEACOCK : : USA : ?

- (a) Red Kite (b) Bald Eagle (c) Mute swan (d) Robin

15.

Microphone : Loud : : Microscope : ?

- (a) Elongate (b) Investigate (c) Magnify (d) Examine

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Microphone : Loud : : Microscope : ?

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17.

Sound : Medium : : Light : ?

- (a) Air (b) Vacuum (c) Water (d) Glass

18.

Food : Hungry

- (a) Thought : Politics (b) Water : River (c) Rest : Weary (d) Wine : Intoxication

19.

Food : Hungry

- (a) Thought : Politics (b) Water : River (c) Rest : Weary (d) Wine : Intoxication

20.

Ampere : Current

- (a) Sound : Waves (b) Newton : Force (c) Speed : Time (d) Distance : Mile