



MAHAKAL GROUP OF INSTITUTES, UJJAIN

Training and Placement cell

Practice questions on AGES, Time and Work.

1. A person's present age is two-ninth of the age of his mother. After 10 years, he will be four-eleventh of the age of his mother. How old is the mother after 15 years?
A) 48yrs
B) 60yrs
C) 55yrs
D) 53yrs
E) None
2. Ratio of the ages of A and B is 5 : x. A is 18 years younger to C. After nine years C will be 47 years old. If the difference between the ages of A and B is same as the age of C, what is the value of x?
A) 13
B) 12
C) 14.5
D) 13.25
E) None
3. 16 years ago, my Uncle was 8 times older than me. After 8 years from today, my uncle will be thrice as old as I will be at that time. Eight years ago, what was the ratio of my age and my uncle's age?
A) 11:53
B) 13:45
C) 8:29
D) 5:32
E) None
4. The sum of present ages of A and B is 11 times the difference of their ages. 5 years hence, their total ages will be 13 times the difference of their ages. What is the present age of elder one?
A) 35yrs
B) 20yrs
C) 25yrs
D) 30yrs
E) None

5. The average age of a husband-wife and their son was 42 years. The son got married and exactly after 1 year a child was born to them. When the child became 5 years old, the average age of the family became 36 years. What was the age of bride at the time of marriage?

- A) 30yrs
- B) 27yrs
- C) 25yrs
- D) 22yrs
- E) None

6. A says, -If you reverse my own age, the figures represent my Brother's age. He is, of course, senior to me and the difference between our ages is one-eleventh of their sum. Then A's brother's age is ?

- A) 45
- B) 54
- C) 25
- D) 52
- E) None

7. L is as much younger than M as he is older than N. If the sum of the ages of M and N is 60 years, what is definitely the difference between M and L's age?

- A) 3yrs
- B) 2yrs
- C) 5yrs
- D) Can't be determined
- E) None

8. If three times of the son's age in years is included to the mother's age, the total is 75 and if two times of the mother's age is included to the son's age, the total is 80. So the son's age is?

- A) 15yrs
- B) 18yrs
- C) 14yrs
- D) 22yrs
- E) None

9. The ages of P, Q and R together are 57 years. S is thrice as old as P and R is 12 years older than P. Then, the difference between ages Q and R is?

- A) 11yrs
- B) 6yrs
- C) 8yrs
- D) 4yrs
- E) None

10. If 10 years are subtracted from the present age of Sharmi and the remainder is divided by 6, then the present age of his grandson Epsi is obtained. If Epsi is 2 years younger to Nave whose age is 7 years, then what is Sharmi's present age?

- A) 40yrs
- B) 35yrs
- C) 52yrs
- D) 55yrs
- E) None

11. A completes 40% of a task in 10 days and then takes the help of B and C. B is 50% as efficient as A is and C is 50% as efficient as B is. In how many more days will they complete the work?

- A) $13 \frac{1}{3}$ B) $8 \frac{4}{7}$ C) $10 \frac{2}{3}$ D) 9 E) None

12. Jeni can do a job in 30 days, Nave in 45 days and Joel in 60 days. If Jeni is helped by Nave and Joel every 3rd day, how long will it take for them to complete the job?

- A) $7 \frac{1}{5}$ B) 8 C) $9 \frac{3}{4}$ D) 10 E) None

13. Ram and Ravi can do a job together in 8 days. Ram is $\frac{11}{8}$ times as efficient as Ravi. The same job can be done by Ravi alone in

- A) 21 B) 25 C) 19 D) 16 E) None

14. The work done by a woman in 8 hours is equal to the work done by a man in 6 hours and by a boy in 12 hours. If working 6 hours per day 9 men can complete a work in 6 days then in how many days can 12 men, 12 women and 12 boys together finish the same work working 8 hours per day?

A) $3\frac{1}{2}$ B) $5\frac{1}{3}$ C) 3 D) 6 E) None

15. M and N can do a piece of work in 30 days, while N and O can do the same work in 24 days and O and M in 20 days. They all work together for 10 days when N and O leave. How many days more will M take to finish the work?

A) 35 B) 15 C) 22 D) 18 E) None

16. 6 men can do a piece of work in 2 hours, which 3 women could do in 3 hours, or 5 children in 4 hours. How long would 1 man, 1 woman and 1 child together take to do the work?

A) $180/71$ B) $135/33$ C) $140/13$ D) $195/14$ E) None

17. A, B and C can all together do piece of work in 20 days, in which B takes twice as long as A and C together do the work and C takes twice as long as A and B together take to do the work. In how many days B can alone do the work?

A) 40 B) 35 C) 60 D) 45 E) None

18. A typing work is done by three person P, Q and R. P alone takes 20 hours to type a single booklet but Q and R working together takes 5 hours, for the completion of the same booklet. If all of them worked together and completed 15 booklets, then how many hours have they worked?

A) 45hrs B) 60hrs C) 38hrs D) 55hrs E) None

19. Efficiency of A is 25% more than B and B takes 25 days to complete a piece of work. A started a work alone and then B joined her 5 days before actual completion of the work. For how many days A worked alone?

A) 11 B) 9 C) 15 D) 12 E) None

20. A project manager hired 15 men to complete a project in 40 days. However, after 30 days, he realized that only $\frac{1}{2}$ of the work is completed. How many more men does he need to hire to complete the project on time?

A) 15 B) 30 C) 20 D) 25 E) None

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