

IEM KOLKATA
PROBLEMS ON AGES

Instructor: Akash Bhattacharya

Q1) Aman is three times as old as Ravi. 2 years ago he was five times as old as Ravi. What is the present age of Aman?

Q2) 12 years ago, age of P was 3 times the age of Q. After 12 years, ratio of ages of Q to P will be 2:3. What is the present age of P?

- (a) 24 years (b) 36 years (c) 48 years (d) None

Q3) Rohan is as much younger than Ajay as he is older than Meena. The sum of ages of Ajay and Meena is 108 years. How old is Rohan?

- (a) 27 years (b) 54 years (c) 45 years (d) 81 years

Q4) Rohan's age is five times Ajay's and $\frac{7}{18}$ th of Meenna's age. The sum of the ages of all three of them is 132 years. How much younger is Ajay to Meena?

Q5) Ram and Shyam's average age is 65 years. The average age of Ram, Shyam and John is 53 years. What is the age of John?

Q6) The average age of 10 students and their teacher is 15 years. The average age of the first seven students is 15 years and that of the last three is 11 years. What is the teacher's age?

Q7) The average age of a group of 4 friends is 36 years. The youngest friend amongst them is 6 years old. What was the average age of the group at the time of the birth of the youngest friend?

Q8) Average age of a family of 4 members was 19 years, 4 years back. Birth of a new child kept the average age of the family same even today. How old is the child today?

Q9) The ratio of ages of A:B is 3:5. If B is 8 years older than A, then what is A's age (in years)?

- (a) 12 (b) 16 (c) 20 (d) 18

Q10) A man is 24 years older than his son. In two years, his age will be twice the age of his son. The present age of his son is?

- (a) 14 (b) 18 (c) 20 (d) 22

Q11) 3 years ago, the average age of A & B was 32. Today average age of A, B & C is 30. What is the age of C?

- (a) 5 (b) 10 (c) 15 (d) 20

Q12) The ratio of the present age of A to B is 8 : 5 and the average of the present age of B and C is 35 years. If five years ago, the sum of ages of A and B is 55 years, then find the difference between the present age of A and C.

- (a) 4 (b) 3 (c) 5 (d) 6

Q13) The average age of husband, wife and their child 3 years ago was 27 years and that of wife and child 5 years ago was 20 years. The present age of the husband is:

- (a) 35 years (b) 40 years (c) 50 years (d) None

Q14) At the time of their marriage, a couple's average age was 25 years. 2 years later, their child was born. At the present day, their average age is 24 years. How many years ago did the couple get married?

- (a) 20 years (b) 10 years (c) 18 years (d) 8 years