IEM KOLKATA

AVERAGE

Instructor: Akash Bhattacharya

Q1) How old will be Raju be if ratio of his age and one of his twin grandson's is 11:2 and average age of his and both his grandsons is 50 years?

Q2) Had Ajay scored 18 runs more in his 3rd innings and 4 runs more in his 7th innings, his average would have become 66 runs. But it is 64 runs. How many innings did he play?

Q3) In a group of people, the oldest and the youngest have an age difference of 100 years. If these two are left out of counting, then the average age of the remaining 40 people is 28. The average age of entire group being 30, how old is the eldest person?

Q4) 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?

Q5) 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?

Q6) 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?

Q7) 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

Q8) 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

Q9) 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

Q10) 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

Q11) 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