Age's Most Asked Common Questions (Last 5 years)

Q1. The ratio of present ages of two persons A and B is 3:2 and after four years, the ratio of their age (B:A) become 7:10. Then find the present age of B?
(a) 20 years
(b) 18 years
(c) 24 years
(d) 36 years
(e) 30 years

Q2. The ratio of age of P two years ago to age of R two years hence is 1 : 2 respectively and Q's present age is 25% more than P's present age. If average of present age of P & R is 39 years, then find difference between P's age 5 years hence and R's present age.
(a) 12 years
(b) 17 years
(c) 21 years
(d) 15 years
(e) 14 years

Q3. Five years ago, the average age of father & mother was 37 years. At present the average age of father, mother & child is 35 years. Find present age of child. (in years)
(a) 21
(b) 25
(c) 17
(d) 23
(e) 19

Q4. A is 6 years younger than B and ratio of present age of B to C is 12:5. If ratio of present age of A to C is 2:1 then find present age of B?
(a) 20 years
(b) 30 years
(c) 24 years
(d) 18 years
(e) None of these

Q5. Four years ago, ratio of Shivam's age to Deepak's age was 2: 3 and ratio of Shivam's age four years ago to Deepak's age five years hence is 8: 15. Find present age of Shivam.
(a) 32 years
(b) 28 years
(c) 40 years
(d) 24 years
(e) 36 years

Q6. 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) 12 years
(b) 5 years
(c) 9 years
(d) 8 years
(e) 4 years

Q7. The ratio of the ages of Ram and Rahim 10 years ago was 1 : 3. The ratio of their ages five years hence will be 2 : 3. Then, the ratio of their present ages is :
(a) 1 : 2
(b) 3 : 5
(c) 3 : 4
(d) 2 : 5
(e) None of these

Q8. If the average of present age of A and B is 18 years and six years hence A age will be two times of age of B that time. Then find the difference between present age of A & B?
(a) 14 years
(b) 16 years
(c) 20 years
(d) 8 years
(e) 10 years

Q9. Six years ago, sum of age of Amit and Den is 20 years. Mohit is six years younger than Amit and the average of present age of Mohit and Den is 13 years. Find the present age of Den?
(a) 16 years
(b) Can't determined
(c) 20 years
(d) 14 years
(e) 24 years

Q10. 'x' years hence, the ratio of age of A to that of B will be 7 : 5. 'x+4' years hence the ratio of age of A to that of B will be 4 : 3. If present age of A is 26 years, then find the present age of B.
(a) 21 years
(b) 12 years
(c) 15 years
(d) 18 years
(e) 19 years

Q11. Average age of A, B and C is 30 years and the sum of age of A and B is 70 years. If the ratio of age of C and A is 1: 2, then find the difference in the age of C and A.
(a) 28 years
(b) 20 years
(c) 14 years
(d) 8 years
(e) 10 years

Q12. A is 12 years older than B and after 10 years the average age of A and B is equal to the present age of C. If C is older than A, then find the difference between the present ages of A and C.

(a) 8 years
(b) 6 years
(c) 2 years
(d) 5 years
(e) 4 years

Q13. Present age of Kiran is 15 years. After five years, the ratio of age of Kiran to Suman will be 4 : 15. Find the age of Suman age three years ago?

(a) 72 years
(b) 67 years
(c) 70 years
(d) 73 years
(e) 69 years

Solutions

S1. Ans.(c)

Sol. Let the present age of A and B be 3x and 2x years respectively

ATQ

$\frac{3x+4}{2x+4} = \frac{10}{7}$

$x = 12$

Present age of B=24 years

S2. Ans.(b)

Sol. Let present age of P be 4x years.

So, present age of Q = $\frac{125}{100} \times 4x$

= 5x years

Now, present age of R = $(4x - 2) \times 2 - 2$

= $(8x - 6) years$

ATQ,

$\frac{4x+8x-6}{2} = 39$

$x = 7$

Required difference = $(8 \times 7 - 6) - (4 \times 7 + 5)$

= $50 - 33$

= 17 years

S3. Ans.(a)

Sol. present age of child = $35 \times 3 - (2 \times 37 + 10) = 21\ years$

S4. Ans.(e)

Sol. Let present age of B and C be 12x years and 5x years respectively.

Then present age of A=10x years

ATQ

$12x - 10x = 6$

$x = 3$

Present age of B=36 years

S5. Ans.(b)

Sol. Let age of Shivam and Deepak 4 years ago be '2x years' and '3x years' respectively.

ATQ,

$\frac{2x}{3x+4+5} = \frac{8}{15}$

$\frac{2x}{3x+9} = \frac{8}{15}$

30x = 24x + 72

6x = 72

x = 12

So, present age of Shivam = 2x + 4= 28 years

S6. Ans.(b)

Sol. Let present age of B be 5x years.

So, present age of A = $5x \times \frac{8}{5}$ = 8x years

Now, present age of C = $35 \times 2 - 5x = (70 - 5x)$ years

ATQ,

$(8x - 5) + (5x - 5) = 55$

$x = 5$

Required difference = $(70 - 5x) - 8x$ = 5 years

S7. Ans.(b)

Sol. Let 10 years ago, ages of Ram and Rahim were x years and 3x years, respectively.

Then, present age of Ram = (x + 10)

and present age of Rahim = (3x + 10)

According to the question,

$\frac{x+10+5}{3x+10+5} = \frac{2}{3}$

$\Rightarrow$ 3x + 45 = 6x + 30

$\Rightarrow$ 3x = 15

$\therefore$ x = 5

Hence, required ratio $= \frac{5+10}{3\times5+10}$

$= \frac{15}{25}$

$= 3 : 5$

S8. Ans.(b)

Sol. Let present age of A = a years

So, present age of B = b years

$\therefore$ a + b = $18 \times 2 = 36$ ...(i)

ATQ,

a + 6 = 2(b + 6)

$\Rightarrow$ a – 2b = 6 ...(ii)

Solving eq. (i) and (ii), we get

a = 26 years, b = 10 years

Required difference = 26 – 10 = 16 years

S9. Ans.(b)

Sol. Let present age of Amit, Den & Mohit be 'a', 'd' & 'm' respectively

ATQ -

a + d = $20 + 2 \times 6 = 32 - \ - - -(i)$

a $-m$ = 6 ----- (ii)

And, m + d =26 ------ (iii)

From (i), (ii) (iii) we get

$32 - a + a - 6 = 26$

$26 = 26$

We cannot determine the age of Den

S10. Ans.(d)

Sol. Let the present age of B be 'b' years

ATQ,

$\frac{26 + x}{b + x} = \frac{7}{5}$

$130 + 5x = 7b + 7x$

$\frac{130 - 2x}{7} = b \ldots.(i)$

And

$\frac{26 + x + 4}{b + x + 4} = \frac{4}{3}$

$90 + 3x = 4b + 4x + 16$

$\frac{74 - x}{4} = b \ldots..(ii)$

From (i) & (ii)

$\frac{130 - 2x}{7} = \frac{74 - x}{4}$

$520 - 8x = 518 - 7x$

$x = 2$

x value put in (i)

$\frac{130 - 4}{7} = b$

b = 18

The present age of B = 18 years

S11. Ans.(b)

Sol. Sum of the age of A, B and C = 3×30 = 90

Age of C = 90-70 = 20

Age of A = $20 \times \frac{2}{1} = 40$

Required sum = 40 – 20 = 20 years

S12. Ans.(e)

Sol. Let the present age of B be x years

And the present age of A = (x + 12) years

The present age of C = $\frac{(x+10)+(x+12+10)}{2} = (x + 16)$ years

Required difference = $(x + 16) - (x + 12)$

$= 16 - 12 = 4$ years

S13. Ans.(b)

Sol. After five years, the age of Kiran = 15 + 5 = 20 years

So, present age of Suman = $20 \times \frac{15}{4} - 8 = 67$ years