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Problems on Ages Questions for Bank Clerk Pre Exams – Problems on Ages Quiz at Smartkeeda.

Problems on Ages Quiz 1

Directions: Kindly study the following Questions carefully and choose the right answer:

1. The present ages of three colleague's are in proportions 3 : 5 : 7. Four years ago, the sum of thier ages was 48. find thier present ages (in years) ?

A. 12, 20 and 28 years
B. 13, 15 and 23 years
C. 11, 16 and 19 years
D. 20, 24 and 27 years
E. None of these

2. The ratio of the Mother's age to her daughter's age is 9 : 5. The product of their ages is 1125. The ratio of their ages after five years will be :

A. 1 : 3
B. 2 : 3
C. 3 : 4
D. 5 : 3
E. None of these

3. The ratio of the present ages of two Friends is 2 : 3 and six years back, the ratio was 1 : 3. What will be the ratio of their ages after 4 years ?.

A. 1 : 3
B. 3 : 4
C. 2 : 3
D. 3 : 5
E. None of these

4. The total ages of Ankit , Narendra and Satendra is 96 years. Five years ago, the ratio of their ages was 2 : 3 : 4. What is the present age of Satendra?

A. 21 years
B. 32 years
C. 41 years
D. 53 years
E. None of these

5. Five years ago the ratio of the ages of Omkar and Nitin was 8 : 7. Three years hence, the ratio of their ages will be 12 : 11. what is Nitin's age at present?

A. 12 years
B. 15 years
C. 8.5 years
D. 19 years
E. None of these

6. Present age of A and B are in the ratio of 6 : 7 respectively. 8 years hence, the ratio of ages will become 7 : 8 respectively. What is A's present age in years?

A. 30 years
B. 40 years
C. 48 years
D. 52 years
E. None of these

7. At present the ratio between the ages of Rahul and Nirdosh is 2 : 1 after 7 years, Rahul's age will be 21 years. what is the age of Nirdosh at present ?

A. 5 years
B. 7 years
C. 9 years
D. 12 years
E. None of these

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8. The ratio between the present ages of A and B is 3 : 5 respectively. If the difference between B's present age and A's after 7 year is 3 what is the total of A's and B's present age?

A. 10 years
B. 30 years
C. 40 years
D. 45 years
E. None of these

9. The ratio between the present ages of A and B is 8 : 9. If B is 5 years old than A, what will be the ratio of the ages of A and B after 5 years.

A. 1 : 3
B. 2 : 3
C. 9 : 10
D. 10 : 13
E. None of these

10. Mohit is younger than Sohit by 4 years. If their ages are in the respective ratio of 3 : 5, How old is Mohit?

A. 6 years
B. 12 years
C. 13 years
D. 16 years
E. None of these

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Correct Answers:

1	2	3	4	5	6	7	8	9	10
A	D	B	C	D	C	B	C	C	A

Explanations:

1. Let the present age of three colleague's are : 3x, 5x and 7x

$(3x - 4) + (5x - 4) + (7x - 4) = 48.$

$15x - 12 = 48 \Rightarrow 15x = 60 \Rightarrow x = 4.$

Their present ages are 12 years, 20 years and 28 years respectively.

Hence, option A is correct.

2. Let the present ages of Mother and daughter be 9x and 5x respectively.

$9x \times 5x = 1125 \Rightarrow 45x^2 = 1125 \Rightarrow x^2 = 25 \Rightarrow x = 5.$

Required ratio $= (9x + 5) : (5x + 5) \Rightarrow 50 : 30 \Rightarrow 5 : 3.$

Hence, option D is correct.

3. Let the present ages of the two Friends be 2x and 3x respectively.

Then, $\frac{2x - 6}{3x - 6} = \frac{1}{3}$

$\Rightarrow 6x - 18 = 3x - 6 \Rightarrow 3x = 12 \Rightarrow x = 4.$

So, required ratio $= (2x + 4) : (3x + 4) \Rightarrow 12 : 16 \Rightarrow 3 : 4.$

Hence, option B is correct.

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4. Let the ages of Ankit, Narendra and Satendra 5 years ago be 2x, 3x and 4x years respectively.

So, total of their present ages will be,

$(2x + 5) + (3x + 5) + (4x + 5) = 96$

$9x + 15 = 96$

$9x = 81$

$x = 9.$

So, the present age of Satendra $= 4x + 5 = 4 \times 9 + 5 = 41$ years.

Hence, option C is correct.

5. Let the age of Omkar and Nitin five years ago 8x and 7x respectively.

Omkar's present age = (8x + 5)

Nitin's present age = (7x + 5)

Now, as per the equ.

Then, $\frac{(8x + 5) + 3}{(7x + 5) + 3} = \frac{12}{11} \Rightarrow \frac{(8x + 8)}{(7x + 8)} = \frac{12}{11}$

On cross multiplication, we get

$\Rightarrow$ 88x + 88 = 84x + 96

$\Rightarrow$ 4x = 8 $\Rightarrow$ x = 2.

$\therefore$ Nitin's present age = (7x + 5) = (7 × 2 + 5) = 19 years.

Hence, option D is correct.

6. Let the present ages of A and B be 6x and 7x years respectively.

Then, $\frac{6x + 8}{7x + 8} = \frac{7}{8}$

$\Rightarrow$ 48x + 64 = 49x + 56 $\Rightarrow$ x = 8

So, A's present age = 6x $\Rightarrow$ 6 × 8 = 48 years.

Hence, option C is correct.

7. Let the present age of Rahul and Nirdosh be 2x and x years respectviely.

Then, 2x + 7 = 21 $\Leftrightarrow$ x = 7.

Nirdosh's age is 7.

Hence, option B is correct.

8. Let the present ages of A and B be 3x and 5x years respectively.

Then, 5x – (3x + 7) = 3 $\Rightarrow$ 2x = 10. $\Rightarrow$ x = 5.

So. Required Sum = 3x + 5x = 8x = 8 × 5 = 40 years.

Hence, option C is correct.

9. Let A's age and B's age be 8x year and 9x year respectively

then, 9x - 8x = 5 $\Leftrightarrow$ x = 5.

So, Required ratio = (8x + 5) : (9x + 5) $\Rightarrow$ 45 : 50 $\Rightarrow$ 9 : 10.

Hence, option C is correct.

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10. Let Sohit's age be x years. then, Mohit's age = (x – 4) years.

So, $\frac{x - 4}{x} = \frac{3}{5}$ $\Rightarrow$ 5x – 20 = 3x

$\Rightarrow$ 2x = 20 $\Rightarrow$ x = 10

Hence, Mohit's age = (x – 4) = 6 years.

Hence, option A is correct.

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