Problems on Ages Questions for Bank Clerk Pre Exams.

Problems on Ages Quiz 2

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

1. Meetali and Neeraj got married 30 years ago. Meetali is 4 years younger than Neeraj. When they got married the difference between 2 times of the Meetali's age and 1.5 times of the Neeraj's age was 5 years. Find the present age of Meetali and Neeraj.

A. 42, 46 B. 48, 52 C. 55, 59 D. 60, 64 E. None of these

2. The ratio of the ages of Esha and her mother is 1 : 4 and the ratio of the ages of Esha's mother and her brother is 9 : 1. If Esha's brother is 5 years younger than Esha. What will be the age of Esha's mother after 4 years?

A. 36 years B. 40 years C. 45 years D. 50 years E. None of these

3. Mohan was 7 years younger to Raman 5 years back. After 5 years, the ratio of ages of Mohan and Jill will be 3 : 4. The sum of ages of Mohan and Jill is 53 years. Find the current age of Raman.(in years)

A. 22 B. 24 C. 29 D. 34 E. None of these

4. Miku's age is 9/11th of his brother's age and the age of Miku's father is 23 years more than the age of Miku. If the average age of Miku, Miku's father and Miku's brother is 27 years, find the age of Miku.

A. 18 years B. 22 years C. 20 years D. 15 years E. None of these

5. Sneha is 8 years older than her cousin. Her cousin is 24 years younger than his mother. If the ratio between the ages of Sneha and her cousin's mother is 7 : 11. What will be the age of Sneha's cousin after 3 years?

A. 21 years B. 20 years C. 26 years D. 23 years E. None of these

6. Monika, Neha and Bharti are three sister. Monika and Neha are twins. The ratio of sum of the ages of Monika and Neha is same as that of Bharti alone. Three years earlier the ratio of age of Monika and Bharti was 5 : 11. What will be the age of Bharti 7 years hence?

A. 20 years B. 10 years C. 25 years D. 30 years E. None of these

7. The average age of a group of 15 employees is 24 years. If 5 more employees join the group, the average age increases by 2 years. Find the average age of the new employees.

A. 35 B. 30 C. 24 D. 32 E. None of these

8. Five years ago, the age of John was 5 times that of his son. After 5 years, his age will be 3 times that of his son. After how many years, will he be twice as old as his son?

A. 15 years B. 25 years C. 30 years D. 40 years E. None of these

9. Two years ago, the age of Rajan was 4 times that of his son. After 5 years, the ratio of ages of Rajan to his son will be 5 : 2. What is the present age of his son?

A. 8 years B. 14 years C. 7 years D. 9 years E. None of these

10. 2 years ago, John's age was 4 times that of his son. After 1 year, his age will be 3 times that of his son. What is the difference between their present ages?

A. 16 years B. 18 years C. 24 years D. 20 years E. None of these

Correct Answers:

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

Explanations:

1. Before 30 years, Neeraj's age = x years, Meetali's age = x – 4 years
According to the question,
2(x – 4) – 1.5x = 5
2x – 8 – 1.5x = 5
0.5x = 5 + 8
0.5x = 13
x = 26
Meetali's present age = 26 – 4 +30 = 52
Neeraj' present age = 26 + 30 = 56
Hence, option E is correct.

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2. Esha : her mother = 1 : 4
Her mother : Her brother = 9 : 1
Esha : Her mother : Her brother = 9 : 36 : 4
According to the question,
9x – 4x = 5
5x = 5
x = 1
Esha mother age after 4 years = 36 × 1 + 4 = 40 years
Hence, option B is correct.

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3. Let the current age of Mohan be T years.
The sum of ages of Mohan and Jill is 53 years.
⇒ Age of Jill = (53 – T) years
After 5 years, the ratio of ages of Mohan and Jill will be 3 : 4.

$$\Rightarrow \frac{T + 5}{53 - T + 5} = \frac{3}{4}$$

$$\Rightarrow 4T + 20 = 174 - 3T$$

$$\Rightarrow T = \frac{154}{7} = 22$$

So, Mohan is 22 years old.
Mohan was 7 years younger to Raman 5 years back. Even now, Mohan would be 7 years younger to Raman.
∴ Current age of Raman = 29 years.
Hence, option (C) is correct.

4. Let the age of Miku's brother = x years, Miku's age = $x \times \frac{9}{11}$

The age of Miku's father = $x \times \frac{9}{11} + 23$

Total age = 27 × 3 = 81 years

$x + \frac{9x}{11} + \frac{9x}{11} + 23 = 81$

$\frac{11x + 9x + 9x}{11} = 81 - 23$

$29x = 11 \times 58$
$x = 22$
Miku's age = $22 \times \frac{9}{11} = 18$ years
Hence, option A is correct.

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5. Let the age of Sneha = x, her cousin's age = x – 8, Cousin's mother age = x – 8 + 24
Ratio between the ages of Sneha and her cousin's mother is 7 : 11
x : x + 16 = 7 : 11
11 × x = (x + 16) × 7
11x = 7x + 112
4x = 112
x = 28
Sneha's cousin age = 28 – 8 = 20
After 3 years Sneha's cousin age = 20 + 3 = 23 years
Hence, option D is correct.

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6. Since Monika and Neha are twins so their ages be same. Let their ages be x and and age of Bharti be y, then,
x + x = y **...(i)**

and $\frac{(x - 3)}{(y - 3)} = \frac{5}{11}$

⇒ 11x – 33 = 5y – 15
⇒ 11x – 5y = 18
Now, from equation (i) putting y in terms of x, we get
11x – 10x = 18
⇒ x = 18
So, the age of Bharti 7 years hence will be 18 + 18 + 7 = 43 years.
Hence, option E is correct.

7. Method I: Total age of 15 employees = 15 × 24 = 360
Total age of 20 employees = 20 × 26 = 520
Let the average age of 5 new employees be x.
Therefore, the total age of the new employees = 5x
Hence, the total age of 20 employees = 360 + 5x
∴ 520 = 360 + 5x
∴ 160 = 5x
∴ x = 32
The average age of the new employees = 32
Hence, option D is correct.

Method II: Average age increased by 2 years i.e. 24 + 2 = 26 years
Total increment in Group's age (15 + 5) × 2 = 40 years
Now, average age of new employees = $24 + \frac{40}{5} = 32$ years
Hence, option D is correct.

8. Let the present age of John be x and that of his son be y
Forming equations
x – 5 = 5 (y – 5)
x + 5 = 3 (y + 5)
After solving we get
x = 55 and y = 15
After how many years, he will be twice as old as son
55 + x = 2(15+x)
x = 25 years
The answer can be found by trying options
$= \frac{(55 + 25)}{(15 + 25)} = 2$

Hence, option B is correct.

9. Let age of Rajan be x and that of his son be y
So as per the question:
(x – 2) : (y – 2) = 4 : 1 or 4(y – 2)= x – 2 (this is the first equation)
(x + 5) : (y+5) = 5/2 or 5(y + 5)= 2(x + 5) (this is the second equation)
Solving both of them we get x = 30 and y = 9
So present age of the son is 9 years
Hence, option D is correct.

10. Let the present ages of John and his son be x and y years respectively.

The first situation can be written as:

$(x – 2) = 4(y – 2)$ .....**(i)**

And the second situation can be written as:

$(x + 1) = 3(y + 1)$ .....**(ii)**

Solving above equations we get

$x = 26$ and $y = 8$

Therefore the difference between their present ages = $26 – 8 = 18$ years

Hence, option B is correct.