

## Problems on Ages Questions for Railway Exams

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## Problems on Ages Questions for Railway Exams

### Problems on Ages Questions for Railway Group-D Exams

1) If the ratio of present age of Sumit to Sunil is 3 : 4 and the age of Sunil is 32 years then find the age of Sumit after 3 years?

- a) 27 years
- b) 24 years
- c) 21 years
- d) None of these

2) If the ratio of the present age of A and B is 7 : 5 and A is 12 years elder to B then find the age of A before 3 years ?

- a) 39 years
- b) 42 years
- c) 36 years
- d) 33 years

3) If the ratio of the present age of A and B is 12 : 7 and B is 15 years younger than A then find the age of B after 3 years ?

- a) 27 years
- b) 21 years
- c) 24 years
- d) 30 years

4) If the ratio of present age of Anil and Pramila is 2 : 11 and the sum of their present age is 78 years then find the age of A after 5 years ?

- a) 15 years
- b) 17 years
- c) 12 years
- d) 18 years

5) If the ratio of present age of Anuj and Abhi is 2 : 1 and the average of their present age is 9 years then find the age of Abhi after 3 years?

- a) 9 years
- b) 12 years
- c) 15 years
- d) 18 years

6) If the ratio of present age of Sumit, Sakshi and Sujeet is 5 : 6 : 4 and the average of their present age is 25 years then find the age of Sakshi before 4 years ?

- a) 26 years
- b) 30 years
- c) 32 years
- d) None of these



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7) If the ratio of present age of Anu and Pramil is 4 : 7 and the ratio of present age of Anu and Ram is 8 : 3 sum of their present age is 75 years then find the present age of Ram?

- a) 9 years
- b) 24 years
- c) 18 years
- d) 22 years

8) If the ratio of present age of A and B is 2 : 3 and the present age of C and B is 8 : 9. The sum of their age is 46 then find the present age of B ?

- a) 8 years
- b) 36 years
- c) 27 years
- d) 18 years

9) If the ratio of age of Ajay and Vijay 3 years ago was 2 : 5 and 2 years hence the ratio becomes 4 : 5 then find the present age of Vijay ?

- a) 5.5 years
- b) 7.5 years
- c) 2.5 years
- d) 6 years

10) If the ratio of present age of A and B is 2 : 5 and that of C and A is 3 : 4. If the sum of their age is 51 years then find the age of A before 1 year?

- a) 11 years
- b) 10 years
- c) 12 years
- d) 13 years

11) The ratio of the present ages of Saravana and Raja is 4: 5. three years hence, the ratio of their ages will be 13 : 16. What will be the ratio of their ages 6 years hence?

- a) 24/19 years
- b) 42/51 years
- c) 19/24 years
- d) 52/41 years

12) The sum of age of three persons A, B and C is 60 years. A is 5 years elder to B who is 6 years younger to C. Find present age of B?

- a) 49/3 years
- b) 48 years
- c) 14 years
- d) None of these



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**13) The average of age of three persons A, B and C is 24 years. A who is 4 years younger to B who is 6 years younger to C find the present age of B?**

- a) 70/3 years
- b) 66 years
- c) 24 years
- d) 21 years

**14) The age of B is 80% of A whose age is 25% more than C. If the difference between the age of A and C is 10 years then find the age of A after 3 years?**

- a) 50 years
- b) 53 years
- c) 48 years
- d) 45 years

**15) The present age of Ram is 87.5% of Shyam whose age is 20% less than Sita. If the average of their age is 25 years then find the age of Shyam two years hence?**

- a) 26 years
- b) 24 years
- c) 21 years
- d) 18 years

**16) The sum of age of Ajay and Jay is 45 years. Five years ago, the product of their age was 34 then find the age of Ajay and Jay?**

- a) Cannot be determined
- b) 34 & 1 years
- c) 1 & 34 years
- d) None of these

**17) Sanat is 20 years old while Sumit is 25 years old. After how many years the ratio of their age will be 7 : 8?**

- a) 15 years
- b) 10 years
- c) 20 years
- d) 25 years

**18) 2 years ago the ratio of age A, B and C was 2 : 3 : 4 and the sum of their present age was 60 then find the present age of B ?**

- a) 18 years
- b) 20 years
- c) 21 years
- d) 24 years

**19) A man is 18 years older to his son. In two years, his age will twice the age of his son find the present age of father?**

- a) 31 years
- b) 34 years
- c) 11 years





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d) 22 years

**20) If the present age of A is  $\frac{2}{7}$ th of the age of B whose age is 25% more than C. If age of age of C is 56 then find the present age of A?**

a) 20 years

b) 24 years

c) 18 years

d) 22 years

**21) If the present age ratio of A and B is 2 : 7 and 31 years hence the ratio becomes 7 : 9 then find the ratio of their ages after 5 years ?**

a) 9 : 19

b) 19 : 9

c) 9 : 5

d) None of these

**22) The sum of age of A and B is 15 more than the total age of B and C. What can be the suitable difference between the age of A and C?**

a) 10

b) 15

c) 30

d) 45

**23) If A is as younger to B as B is older to C. If the sum of ages B and C is 50 years, then what will be the difference between B and A ?**

a) 50 years

b) 20 years

c) 25 years

d) Cannot be determined

**24) The sum of age of Jay, Divya and Ravi is 66 and if the ratio of their ages 2 years back is 5 : 4 : 3 then find the present age of Divya?**

a) 22 years

b) 20 years

c) 18 years

d) 24 years

**25) Ten years ago , A's age was half the age of B. If the ratio of their present age is 2 : 3 then what will the sum of their present age ?**

a) 50 years

b) 30 years

c) 20 years

d) 10 years

**26) 12 years ago the ratio of A : B was 4 : 7 and after 12 years the ratio becomes 2 : 3 then find the present age of B ?**



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- a) 96 years
- b) 84 years
- c) 72 years
- d) 60 years

**27) If the ratio of present age of Sumit, Sakshi and Sanket is 5 : 6 : 4 and the age of Sakshi after 2 years is 38 years then find the age of Sumit three years back?**

- a) 28 years
- b) 27 years
- c) 33 years
- d) 24 years

**28) If the ratio of present age of A and B is 1 : 8 and the sum of their age is 36 years then find the present age of B is ?**

- a) 32 years
- b) 28 years
- c) 24 years
- d) 20 years

**29) If A's age after 15 years will be 5 times his age 5 years back then find the age of A after two years ?**

- a) 12 years
- b) 10 years
- c) 15 years

- d) 13 years

**30) If the ages of two students differ by 16 years and 6 years ago the elder was thrice as old as the younger one, then find their present ages?**

- a) 14 & 30 years
- b) 14 & 8 years
- c) 29 & 45 years
- d) None of these

**31) If the product of age of Sumit and Sanket is 65 years and the sum of their age is 18 years then find the age of elder one?**

- a) 13 years
- b) 12 years
- c) 65 years
- d) 15 years

**32) Amit was four times as old as his son 8 years ago and after 8 years, Amit will be twice as old as his son. Find the present age of Amit ?**

- a) 40 years
- b) 32 years
- c) 24 years
- d) None of these



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**33) Sachin is 8 years younger to Rahul and the sum of their age is 40 years then find the present age of Sachin?**

- a) 16 years
- b) 24 years
- c) 8 years
- d) 32 years

**34) If the ratio of age of Ayush to Deepak four years back was 5 : 6 and the difference of their age is 10 years then find the age of Ayush two years later ?**

- a) 54 years
- b) 56 years
- c) 32 years
- d) 50 years

**35) If Bhim is thrice as old as Arjun who is half the age of Nakul. Sum of their age is 60 then find the age of Bhim ?**

- a) 30 years
- b) 25 years
- c) 45 years
- d) 50 years

**36) If the age of A and B is 15 and 'x' and the ratio after three years is 3 : 5 then find the value of 'x' ?**

- a) 72 years

b) 27 years

c) 45 years

d) None of these

**37) If the age of A and B is 15 and 25 and the ratio after five years is 2 : 'x' then find the value of 'x' ?**

a) 3

b) 2

c) 4

d) None of these

**38) If the age of Amit is 23 and Sumit is 'x' and after 3 years the ratio of their age becomes 1 : 2 then find the age of Sumit before 2 years ?**

a) 50 years

b) 52 years

c) 47 years

d) 46 years

**39) If the age of Anil is 'x' and Sujeet is 25 and before 5 years the ratio of their age becomes 1 : 2 then find the age of Anil 2 years before ?**

a) 8 years

b) 5 years

c) 4 years

d) 6 years



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**40) If the Average age of a family of four person is 12 years. The Sum of eldest to the youngest is 24 and the ratio between other two is 3 : 5 then find the age of eldest member ?**

- a) 15 years
- b) 24 years
- c) 12 years
- d) Cannot be determined

**41) The age of father is 5 times the age of his son and age of his wife is 4 times the age of his son. If the difference between the age of Son and wife is 27 years then find the age of father?**

- a) 45 years
- b) 27 years
- c) 36 years
- d) 54 years

**42) If the sum of age of Raju and Kaju is 45 years and the difference of their age is 4 years given is Raju is elder to Kaju then find the age of Kaju?**

- a) 4 years
- b) 9 years
- c) 5 years
- d) 8 years

**43) One year ago age of Mohan was twice to Rohan. Two year hence the age of Mohan is 18 years more than Rohan then find the present age of Rohan?**

- a) 19 years
- b) 45 years
- c) 25 years
- d) 29 years

**44) If the age of Sumit is 49 years which is 87.5% of the age of Suraj then find the age of Suraj?**

- a) 56 years
- b) 49 years
- c) 42 years
- d) 45 years

**45) If the age of Ravi is 62.5% of Rahul and the difference of their age is 12 years then find the age of Ravi?**

- a) 20 years
- b) 25 years
- c) 15 years
- d) 21 years

**46) If the age of A is 120% of C whose age is 25% more than B. If the age of A is 18 years then find the age of C?**

- a) 12 years





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- b) 10 years
- c) 15 years
- d) 18 years

47) If the age of P, Q and R is in the ratio of 2 : 3 : 4 and the sum of their age is 54 years then find the age of Q ?

- a) 18 years
- b) 24 years
- c) 12 years
- d) 27 years

48) The age of Arun is 37.5% less than Avni. If the sum of their age after 2 years is 43 years then find the present age of Avni?

- a) 24 years
- b) 30 years
- c) 18 years

- d) 16 years

49) If the sum of age of A , B and C is 30 years and the ratio of age of A : B : C = 5 : 4 : 1 then find the age of youngest person ?

- a) 5 years
- b) 3 years
- c) 6 years
- d) 9 years

50) If the present age of Amar and Kanan is 25 and 40 years then after how many years the ratio of their age becomes 11 : 14 ?

- a) 10 years
- b) 25 years
- c) 15 years
- d) 30 years

### ANSWERS

1) Answer: A

Solution:

Sumit : Sunil = 3 : 4 .....(1)

Age of Sunil = 32 years

4 unit = 32 years

1 unit = 8 years

Age of Sumit = 3 units

Age of Sumit = 24 years

Age of Sumit after 3 years = 27 years

2) Answer: A

Solution:

A : B = 7 : 5 .....(1)

Difference = 2 units

2 units = 12 years



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1 unit = 6 years

Age of A = 42 years.

Age of A before 3 years = 39 years

**3) Answer: C**

**Solution:**

Present age of A : B = 12 : 7 .....(1)

Difference = 5 units

5 units = 15 years

1 unit = 3 years

Age of B = 21 years

Age of B after 3 years = 24 years

**4) Answer: B**

**Solution:**

Anil : Pramil = 2 : 11 .....(1)

Sum of their age = 13 units

13 units = 78 years

1 unit = 6 years

Age of A = 12 years

Age of A after 5 years = 17 years

**5) Answer: A**

**Solution:**

Anuj : Abhi = 2 : 1 .....(1)

Sum of their age =  $9 \times 2 = 18$  years

3 unit = 18 years

1 unit = 6 years

Abhi's present age = 6 years

Abhi's age after 3 years = 9 years

**6) Answer: A**

**Solution:**

Sumit : Sakshi : Sujeet = 5 : 6 : 4 .....(1)

Sum of their present age = 15 units

Sum of their present age = 75 years

15 units = 75 years

1 unit = 5 years

Present age of Sakshi = 30 years

Age before 4 years = 26 years

**7) Answer: A**

**Solution:**

Anu : Pramil = 4 : 7 .....(1)

Anu : Ram = 8 : 3 .....(2)

From eq (1) and eq (2) we get,

Anu : Ram : Pramil = 8 : 3 : 14 .....(3)

Sum = 25 units

25 units = 75 years

1 unit = 3 years

Present age of Ram = 9 years

**8) Answer: D**

**Solution:**

A : B = 2 : 3 .....(1)

B : C = 9 : 8 .....(2)

From above equations,

A : B : C = 6 : 9 : 8 .....(3)

Sum = 23 units

23 units = 46 years



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1 unit = 2 years

Present age of B = 18 years

**9) Answer: A**

**Solution:**

$$\text{Ajay}^{-3} : \text{Vijay}^{-3} = 2 : 5 \dots\dots\dots(1)$$

$$\text{Ajay}^{+2} : \text{Vijay}^{+2} = 4 : 5 \dots\dots\dots(2)$$

Re-arranging the ratios,

$$\text{Ajay}^{-3} : \text{Vijay}^{-3} = 2 : 5 \dots\dots\dots(3)$$

$$\text{Ajay}^{+2} : \text{Vijay}^{+2} = 12 : 15 \dots\dots\dots(4)$$

10 units = 5 years

1 unit = 1/2 years

Vijay's age after 2 years = 7.5 years

Present age = 5.5 years

**10) Answer: A**

**Solution:**

According to the question

$$A : B = 2 : 5 \dots\dots\dots(1)$$

$$C : A = 3 : 4 \dots\dots\dots(2)$$

Making ratios common

$$A : B : C = 4 : 10 : 3 \dots\dots\dots(3)$$

Sum = 17 units

Actual sum = 51 years

17 units = 51 years

1 unit = 3 years.

Present age of A = 12 years.

Age of A one years ago = 11 years.

**11) Answer: B**

**Solution:**

Let the present age of Saravana and Raja be  $4x$  and  $5x$ .

After 6 years. ratio is  $= 4x+3/5x+3=13/16$

$$64x + 48 = 65x + 39$$

$$\Rightarrow .x = 9$$

So, their present age is 36 and 45

After 6 years their age will be 42 and 51

Hence, their ratio is 42/51

**12) Answer: A**

**Solution:**

$$A = B + 5 \dots\dots\dots(1)$$

$$B = C - 6 \dots\dots\dots(2)$$

$$A + B + C = 60 \text{ years} \dots\dots\dots(3)$$

Solving above equations,

$$B = 49/3 \text{ years}$$

**13) Answer: A**

**Solution:**

Sum of A, B and C = 72 years.....(1)

$$A = B - 4 \dots\dots\dots(2)$$

$$B = C - 6 \dots\dots\dots(3)$$

Solving above equations we get,

$$B = 70/3 \text{ years}$$

**14) Answer: B**

**Solution:**

$$B : A = 4 : 5 \dots\dots\dots(1)$$

$$A : C = 5 : 4 \dots\dots\dots(2)$$

$$A : B : C = 5 : 4 : 4 \dots\dots\dots(3)$$



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Difference = 1 unit

1 unit = 10 years

Present age of A = 50 years

A's age after 3 /years = 53 years

**15) Answer: A**

**Solution:**

Ram : Shyam = 7 : 8 .....(1)

Shyam : Sita = 4 : 5 .....(2)

Ram : Shyam : Sita = 7 : 8 : 10 .....(3)

Sum = 25 units

Sum = 75 years

1 unit = 3 years

Age of Shyam = 24 years

Age after 2 years = 26 years

**16) Answer: A**

**Solution:**

Sum = 45 years

Ajay + Jay = 45 years.....(1)

(Ajay - 5) × (Jay - 5) = 34 years.....(2)

From eq (1)

Sum of age before 5 years = 35 years.....(3)

From eq(2) and eq(3) we can say that age will be 34 years and 1 years.

But it is not possible to tell whose age is 34 years and whose age is 1 years so the answer will be 'cannot be determined'

**17) Answer: A**

**Solution:**

Let the years be x.

According to the given condition,

(Sanat + x) / (Sumit + x) = 7 / 8 .....(1)

On solving we get,

x = 15 years

**18) Answer: B**

**Solution:**

$A^{-2} : B^{-2} : C^{-2} = 2 : 3 : 4$  .....(1)

$A + B + C = 60$ .....(2)

Sum before 2 years = 54 years.....(3)

9 units = 54 years

1 unit = 6 years

Present age of B = 20 years.

**19) Answer: B**

**Solution:**

Let the present age of his son be X years.

So, present age of man= X+18 (as he is 18 years older than his son)

After 2 years, man's age become (X+18+2) years and

Son's age will be (X+2).

Now, according to question,

$X+18+2 = 2*(X+2)$

Or,  $X = 16$  years.

Man's present age = 34 years.

**20) Answer: A**

**Solution:**



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$$A : B = 2 : 7 \dots\dots\dots(1)$$

$$B : C = 5 : 4 \dots\dots\dots(2)$$

$$A : B : C = 10 : 35 : 28 \dots\dots\dots(3)$$

$$28 \text{ units} = 56 \text{ years}$$

$$1 \text{ unit} = 2 \text{ years}$$

$$\text{Present age of A} = 20 \text{ years.}$$

**21) Answer: A**

**Solution:**

$$A : B = 2 : 7 \dots\dots\dots(1)$$

$$A^{+31} : B^{+31} = 7 : 9 \dots\dots\dots(2)$$

Balancing the ratios,

$$A : B = 4 : 14 \dots\dots\dots(3)$$

$$A^{+31} : B^{+31} = 35 : 45 \dots\dots\dots(4)$$

$$31 \text{ units} = 31 \text{ years}$$

$$1 \text{ unit} = 1 \text{ years}$$

$$\text{A and B's age after 5 years} = 9 \text{ and } 19 \text{ years}$$

$$A^{+5} : B^{+5} = 9 : 19$$

**22) Answer: B**

**Solution:**

According to the condition,

$$A + B = B + C + 15$$

$$A - C = 15$$

The difference between their ages will be 15 units.

**23) Answer: A**

**Solution:**

$$B + C = 50 \text{ years} \dots\dots\dots(1)$$

$$B - A = B - C$$

$$C - A = 0 \dots\dots\dots(2)$$

Subtracting eq (2) from eq (1)

$$B - A = 50 \text{ years}$$

**24) Answer: A**

**Solution:**

$$\text{Sum} = 66 \text{ years}$$

$$\text{Sum 2 years back} = 60 \text{ years}$$

$$J : D : R = 5 : 4 : 3 \dots\dots\dots(1)$$

$$\text{Sum} = 12 \text{ units}$$

$$12 \text{ units} = 60 \text{ years}$$

$$1 \text{ unit} = 5 \text{ years}$$

$$\text{Age of Divya} = 20 \text{ years.}$$

$$\text{Present age of Divya} = 22 \text{ years.}$$

**25) Answer: A**

**Solution:**

$$A^{-10} : B^{-10} = 1 : 2 \dots\dots\dots(1)$$

$$A^0 : B^0 = 2 : 3 \dots\dots\dots(2)$$

$$1 \text{ unit} = 10 \text{ years}$$

Present age of A & B = 20 and 30 years respectively.

Sum of their present age = 50 years.

**26) Answer: A**

**Solution:**

$$A^{-12} : B^{-12} = 4 : 7 \dots\dots\dots(1)$$

$$A^{+12} : B^{+12} = 2 : 3 \dots\dots\dots(2)$$

Balancing the ratios,

$$A^{-12} : B^{-12} = 4 : 7 \dots\dots\dots(3)$$

$$A^{+12} : B^{+12} = 6 : 9 \dots\dots\dots(4)$$





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2 units = 24 years

1 unit = 12 years

Age of B 12 years before = 84 years

Present age = 96 years

**27) Answer: B**

**Solution:**

Sumit : Sakshi : Sanket = 5 : 6 : 4 .....(1)

Age of Sakshi after 2 years = 38 years

Present age = 36 years

6 units = 36 years

1 unit = 6 years

Present age of Sumit = 30 years.

Age of Sumit three years back = 27 years.

**28) Answer: A**

**Solution:**

A : B = 1 : 8.....(1)

Sum of their age = 36 years

From eq (1), Sum = 9 units

9 units = 36 years

1 unit = 4 years

Present age of B = 32 years

**29) Answer: A**

**Solution:**

Let the present age of A = x years

A's age after 15 years = x + 15 years

A's age 5 years back = x - 5 years

According to the condition,

$$x + 15 = 5(x - 5)$$

On solving we get,

$$x = 10 \text{ years}$$

Age after 2 years = 12 years

**30) Answer: C**

**Solution:**

Let the age of younger student = x years

Age of elder student = x + 16 years

According to the questions,

$$3(x - 16) = (x + 16 - 6)$$

$$x = 29 \text{ years}$$

Age's will be 29 and 45 years

**31) Answer: A**

**Solution:**

Let the ages be x and y years. Where  $x > y$

$$xy = 65 \text{ .....(1)}$$

$$x + y = 18 \text{ years .....(2)}$$

On solving above we get,

$$x = 13 \text{ years \& } y = 5 \text{ years}$$

**32) Answer: A**

**Solution:**

$$(Amit - 8) = 4(Son - 8) \text{ .....(1)}$$

$$(Amit + 8) = 2(Son + 8) \text{ .....(2)}$$

On solving the above equations,

$$Amit = 40 \text{ years \& } Son = 16 \text{ years}$$

**33) Answer: A**

**Solution:**



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Sachin = Rahul - 8 .....(1)

Sachin + Rahul = 40 years .....(2)

Solving above equations,

Rahul = 24 years

Sachin = 16 years.

**34) Answer: B**

**Solution:**

Ayush<sup>-4</sup> : Deepak<sup>-4</sup> = 5 : 6 .....(1)

Difference = 1 unit

1 unit = 10 years

Age of Ayush four years back = 50 years

Age of Deepak four years back = 60 years

Present age of Ayush = 54 years

Age of Ayush two years later = 56 years

**35) Answer: A**

**Solution:**

B : A = 3 : 1 .....(1)

A : N = 1 : 2 .....(2)

Sum = 6 units

6 units = 60 years

1 unit = 10 years

Age of Bhim = 3 \* 10 = 30 years

**36) Answer: B**

**Solution:**

A = 15 years and B = 'x' years

According to the question,

$(15 + 3)/(x + 3) = 3/5$

On solving above we get,

x = 27 years

**37) Answer: A**

**Solution:**

A = 15 years AND B = 25 years

According to the question,

$(15 + 5)/(25 + 5) = 2/x$

On solving above we get,

x = 3

**38) Answer: C**

**Solution:**

According to the question,

$(Amit + 3)/(Sumit + 3) = 1/2$

$(23 + 3)/(Sumit + 3) = 1/2$

On solving we get,

Sumit = 49 years

Age of Sumit before 2 years = 47 years

**39) Answer: A**

**Solution:**

According to the question,

$(Anil - 5)/(sujeeet - 5) = 1/2$

$(x - 5)/(25 - 5) = 1/2$

On solving we get,

X = 10 years

Anil = 10 years

Age of Anil before 2 years = 8 years

**40) Answer: D**



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**Solution:**

$$A + B + C + D = 48 \text{ years}$$

Let A be the eldest while D be the youngest. Then,

$$A + D = 24 \text{ years}$$

$$B + C = 24 \text{ years}$$

The ratio between other two is 3 : 5

$$8 \text{ units} = 24 \text{ years}$$

$$1 \text{ unit} = 3 \text{ years}$$

The age of eldest and youngest member cannot be determined.

**41) Answer: A**

**Solution:**

$$\text{Father : Son} = 5 : 1 \dots\dots\dots(1)$$

$$\text{Son : wife} = 1 : 4 \dots\dots\dots(2)$$

From equation (1) and (2)

$$\text{Father : Son : wife} = 5 : 1 : 4 \dots\dots\dots(3)$$

$$\text{Difference} = 3 \text{ units}$$

$$3 \text{ units} = 27 \text{ years}$$

$$1 \text{ unit} = 9 \text{ years}$$

$$\text{Father} = 5 \times 9 = 45 \text{ years}$$

**42) Answer: C**

**Solution:**

$$\text{Raju} + \text{Kaju} = 45 \text{ years}$$

$$\text{Raju} - \text{Kaju} = 4 \text{ years}$$

On solving both the equations we get,

$$\text{Raju} = 9 \text{ years}$$

$$\text{Kaju} = 5 \text{ years}$$

**43) Answer: A**

**Solution:**

$$(\text{Mohan} - 1) = 2 (\text{Rohan} - 1) \dots\dots\dots(1)$$

$$(\text{Mohan} + 2) = (\text{Rohan} + 2 + 18) \dots\dots\dots(2)$$

Solving above equations we get,

$$\text{Mohan} = 37 \text{ and Rohan} = 19 \text{ years}$$

**44) Answer: A**

**Solution:**

$$\text{Sumit : Suraj} = 7 : 8 \dots\dots\dots(1)$$

$$7 \text{ units} = 49 \text{ years}$$

$$1 \text{ unit} = 7 \text{ years}$$

$$8 \text{ units} = 56 \text{ years}$$

$$\text{Suraj's age} = 56 \text{ years}$$

**45) Answer: A**

**Solution:**

$$\text{Ravi : Rahul} = 5 : 8 \dots\dots\dots(1)$$

$$\text{Difference of age} = 3 \text{ units}$$

$$3 \text{ unit} = 12 \text{ years}$$

$$1 \text{ unit} = 4 \text{ years}$$

$$\text{Present age of Ravi} = 20 \text{ years}$$

**46) Answer: C**

**Solution:**

$$A : C = 6 : 5 \dots\dots\dots(1)$$

$$C : B = 5 : 4 \dots\dots\dots(2)$$

$$A : B : C = 6 : 4 : 5 \dots\dots\dots(3)$$

$$\text{If } 6 \text{ unit} = 18 \text{ years}$$

$$5 \text{ unit} = 15 \text{ years}$$



## Problems on Ages Questions for Railway Exams

Age of C = 15 years

**47) Answer: A**

**Solution:**

$P : Q : R = 2 : 3 : 4$  .....(1)

Sum = 9 units

9 units = 54 years

1 unit = 6 years

Age of Q = 3 units

Age of Q = 18 years

**48) Answer: A**

**Solution:**

Arun : Avni = 5 : 8 .....(1)

Sum = 13 units

Sum of age 2 years hence = 43 years

Present sum = 39 years

13 units = 39 years

1 unit = 3 years

Present age of Avni = 24 years.

**49) Answer: B**

**Solution:**

Present age ratio = 5 : 4 : 1 .....(1)

Sum = 10 units

10 units = 30 years

1 unit = 3 years

Age of youngest person = 3 years.

**50) Answer: D**

**Solution:**

According to the question,

$(Amar + x)/(Kanan + x) = 11/14$

$(25 + x)/(40 + x) = 11/14$

On solving the above we get,

$x = 30$  years

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