PROBLEM ON AGES

Problem on Ages

- Different types of problems on Ages using concept of linear
- Different types of problems on Ages using concept of ratio
- Data Sufficiency Questions

Problem on Ages

Important Statements and Equations for "Problems based on Ages":

1. If the present age is y, then n times the present age = ny
2. If the present age is x, then age n years later/hence = x + n
3. If the present age is x, then age n years ago = x – n
4. The ages in a ratio a: b will be ax and bx
5. If the current age is y, then 1/n of the age is y/n

Problem on Ages

1. The total age of A and B is 10 years more than the total age of B and C. C is how many years younger than A ?

A] 9 years B] 10 years

C] 11 years D] 12 years

Problem on Ages

2. A father said his son , " I was as old as you are at present at the time of your birth. " If the father age is 30 now, the son age 5 years back was :

A] 10years B] 12 years

C] 14 years D] 16 years

Problem on Ages

3. Rishi's age after 15 years will be 3 times his age 5 years back. What is the present age of Rajeev?

A] 8 Years
B] 10 Years
C] 14 Years
D] 15 Years

Problem on Ages

4. The sum of the present ages of a father and his son is 50 years. five years ago, father's age was three times the age of the son. so now the son's age will be:

A] 15 years B] 12 years

C] 16 years D]18 years

Problem on Ages

5. If two times of the daughter's age in years is included to the mother's age, the total is 62 and if two times of the mother's age is included to the daughter's age, the total is 88. So the Mother's age is,

A] 32 years B] 36 years

C] 38 years D 46 years

Problem on Ages

6. When Ram was born, his father was 32 years older than his brother and his mother was 25 years older than his sister. If Ram's brother is 6 years older than Ram and his mother is 3 years younger than his father, how old was Ram's sister when Ram was born ?

A] 10years
B] 11years
C] 14years
D] 16years

Problem on Ages

7. The sum of the ages of 5 children born at the intervals of 4 years each is 60 years. what is the age of the youngest child ?

A] 2 years
B] 4years
C] 8 years
D] 10years

Problem on Ages

8. A man says, "If you reverse my own age, the figures represent my dad's age. The difference between our ages is three-eleventh of their sum." The man's dad age is ?

A] 24 years
B] 42 years
C] 45years
D] 63years

Problem on Ages

9 . In 10 years, A will be twice as old as B was 10 years ago. If A is now 9 years older than B, the present age of B is :

A] 25 years B] 28 years

C] 32 years D] 39 years

Problem on Ages

10. The ratio of ages of a father and son is 15 : 8 respectively. 6 years ago the ratio of their ages was 13 : 6 respectively. What is the father's present age(in years)?

A] 64
B] 45
C] 48
D] 54

Problem on Ages

11. The age of father 10 years ago was thrice the age of his son. Ten years hence, father's age will be twice that of his son. The ratio of present ages of son and father:

A] 2 : 5 B] 3 : 7

C] 2 : 9 D] 3 : 4

Problem on Ages

12. The ratio of the son's age to the father's age is 1 : 3. The product of their ages is 192. The ratio of their ages after 4 years will be?

A] 6:17 B] 3:7

C] 25:17 D] 5:2

Problem on Ages

13. The ratio of the present ages of Ram and Mohan is 15 : 19. Four years ago, the ratio of their ages was 13 : 17. What will be the ratio of their ages 5 years hence?

A] 3 : 4 B] 7 : 8

C] 5 : 6 D] None of these

Problem on Ages

14. The ages of X and Y are in the proportion of 6:5 and total of their ages is 55 years. The proportion of their ages after 5 years will be

A] 7:6 B] 13:10

C] 11:8 D] 9:5

Problem on Ages

15. The age of a person is four times as the total ages of his 2 daughters. 0.5 decades hence, his age will be twice of the total ages of his daughters. Then what is the father's current age?

A] 30 Years
B] 55 Years
C] 50 Years
D] 40 Years

Problem on Ages

16. Sudha‘s present age is 3/10 of her father‘s present age. Sudha‘s brother is 5 years older than her. The ratio between the present age of Sudha‘s father and Sudha‘s brother is 5:2. What is Sudha‘s present age?

A] 6 years
B] 12 years
C] 15 years
D] 16 years

Problem on Ages

17. After six years, Sandeep's age will be three-eighth of his father's age. Five years ago the ratio of their ages was 2:9. What is Sandeep's father's age at present?

A. 54 years B. 70 years C. 50 years D. None of these

Problem on Ages

18. Six years ago Anita was P times as old as Ben was. If Anita is now 17 years old, how old is Ben now in terms of P ?

A] (11/P) + 6

B] (17/P) + 6

C] (P*10) + 6

D] (P/13) + 6

Problem on Ages

19. Today is Varun's birthday. Five year, from today he will be thrice as old as he was 15 years ago. How old is Varun today ?

A] 22 years
B] 23 years
C] 25 years
D] 27 years

Problem on Ages

20. Ratio of the ages of Mahesh and Nilesh is 10 : x. Mahesh is 18 years younger to Ramesh. After nine years Ramesh will be 47 years old. If the difference between the ages of Mahesh and Nilesh is same as the age of Ramesh, what is the value of x ?

A] 27 B] 25

C] 29 D] 32

Problem on Ages

21. Sum of the ages of Rajesh, Suresh, Mahesh and Dinesh is 64 years. 6 years hence, their age ratio is 7:6:5:4. Find Mahesh's present age ?

A] 12 years
B] 14 years
C] 15years
D] 16years

Problem on Ages

22. A is three times as old as B. C was twice-as old as A four years ago. In four years' time, A will be 31. What is the ratio of present ages of B and C ?

A] 12:17 B] 3 : 40

C] 9 : 50 D] 6 : 55

Problem on Ages

23. What is Sonia's present age?
I. Sonia's present age is five times Deepak's present age.
II. Five years ago her age was twenty-five times Deepak's age at that time.

(A)If the data in statement I alone is sufficient to answer the question.
(B) If the data in statement II alone is sufficient to answer the question.
(C) If the data either in statement I alone or statement II alone are sufficient to answer the question.
(D) If the data given in both I and II together are not sufficient to answer the question.
(E) If the data in both the statements I and II together are necessary to answer the question.

Problem on Ages

24. Disha is twice as old as Shruti. What is the difference in their ages?
I. Five years hence, the ratio of their ages would be 9 : 5.
II. Ten years back, the ratio of their ages was 3 : 1.
(A)If the data in statement I alone is sufficient to answer the question.
(B) If the data in statement II alone is sufficient to answer the question.
(C) If the data either in statement I alone or statement II alone are sufficient to answer the question.
(D) If the data given in both I and II together are not sufficient to answer the question.
(E) If the data in both the statements I and II together are necessary to answer the question.

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25. What will be the ratio between ages of Sam and Albert after 5 years?
I. Sam's present age is more than Albert's present age by 4 years.
II. Albert's present age is 20 years.
III. The ratio of Albert's present age to Sam's present age is 5 : 6.

(A) Any two of I, II and III
(B) II only
(C) III only
(D) I or III only
(E) II or III only

Problem on Ages

Any Doubts???