Ratio and Proportion - Test 1

1. Sachin is younger than Rahul by 4 years. If their ages are in respective ratio of 7:9, how old is Sachin ?
   a. 16 years
   b. 18 years
   c. 28 years
   d. Cannot be determined
   e. None of these

2. The ratio between the present ages of P and Q is 6:7. If Q is 4 years old than P, what will be the ratio of the ages of P and Q after 4 years?
   a. 3:4
   b. 3:5
   c. 4:3
   d. Data inadequate
   e. None of these

3. The ratio between the present ages of P and Q is 5:7 respectively. If the difference between Q's present age and P's age after 6years is 2, what is the total of P's and Q's present ages?
   a. 48 years
   b. 52 years
   c. 56 years
   d. Cannot be determined
   e. None of these

4. At present, the ratio between the ages of Arun and Deepak is 4:3. After 6 years, Arun's age will be 26 years. What is the age of Deepak at present?
   a. 12 years
   b. 15 years
   c. 19 ½ years
   d. 21 years

5. Six years ago, the ratio of the ages of Kunal and Sagar was 6:5. Four years hence, the ratio of their ages will be 11:10. What is Sagar's age at present?
   a. 16 years
   b. 18 years
   c. Cannot be determined
   d. None of these

6. The ratio of the present ages of two brothers is 1:2 and 5 years back, the ratio was 1:3. What will be the ratio of their ages after 5 years?
   a. 1:4
   b. 2:3
   c. 3:5
   d. 5:6

7. The present ages of three persons are in proportions 4:7:9. Eight years ago, the sum of their ages was 56. Find their present ages(in years).
   a. 8,20,28
   b. 16,28,36
   c. 20,35,45
   d. None of these

8. The ratio of the ages of a man and his wife is 4:3. After 4 years, this ratio will be 9:7. If at the time of marriage, the ratio was 5:3, then how many years ago were they married?
   a. 8 years
   b. 10 years
   c. 12 years
   d. 15 years

9. The ratio between the school ages of Neelam and Shaan is 5:6 respectively. If the ratio between the one- third age of Neelam and half of Shaan'sage is 5:9, then what is the school age of Shaan?
   a. 25 years
   b. 30 years
   c. 36 years
   d. Cannot be determined
   e. None of these

10. The ratio between the present ages of A and B is 5:3 respectively. The ratio between A's age 4 years ago and B's age 4 years hence is 1:1. What is the ratio between A's age 4 years hence and B's age 4 years ago?
    a. 1:3
    b. 2:1
    c. 3:1
    d. 4:1
    e. None of these

11. A is two years older than B who is twice as old as C. If the total of the ages of A,B and C be 27, then how old is B?
    a. 7
    b. 8
    c. 9
    d. 10
    e. 11

12. A man is 24 years older than his son. In two years, his age will be twice the age of his son. The present age of the son is
    a. 14 years
    b. 18 years
    c. 20 years
    d. 22 years

13. Eighteen years ago, a father was three times as old as his son. Now the father is only twice as old as his son. Then the sum of the present ages of the son and the father is
    a. 54
    b. 72
    c. 105
    d. 108

14. A person's present age is two-fifth of the age of his mother. After 8 years, he will be one-half of the age of his mother. How old is the mother at present?
    a. 32 years
    b. 36 years
    c. 40 years
    d. 48 years

15. Tanya's grandfather was 8 times older to her 16 years ago. He would be 3 three times of her age 8 years from now. Eight years ago, what was the ratio of Tanya's age top that of her grandfather?
    a. 1:2
    b. 1:5
    c. 3:8
    d. None of these

16. The age of the 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 their present ages is
    a. 5:2
    b. 7:3
    c. 9:2
    d. 13:4

17. The total age of A and B is 12 years more than the total age of B and C. C is how many years younger than A?
    a. 12
    b. 24
    c. C is elder than A
    d. Data inadequate
    e. None of these

18. Q is as much younger than R as he is older than T. if the sum of the ages of R and T is 50 years, what is definitely the difference between R and Q's age?
    a. 1 year
    b. 2 years
    c. 25 years
    d. Data inadequate
    e. None of these

19. Rajan got married 8 years ago. His present age is 6/5 times his age at time of his marriage. Rajan's sister was 10 years younger to him at the time of his marriage. The age of Rajan's sister is

a. 32 years
b. 36 years
c. 38 years
d. 40 years

20. The sum of the ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child?
    a. 4 years
    b. 8 years
    c. 10 years
    d. None of these

21. Father is aged three times more than his son Ronit. After 8 years, he would be two and half times of Ronit's age. After further 8 years, how many times would he be of Ronit's age?
    a. 2 times
    b. 2 ½ times
    c. 2 ¾ times
    d. 3 times

22. A Father said to his son, "I was as old as you are at present at the time of your birth." If the father's age is 38 years now, the son's age five years back was
    a. 14 years
    b. 19 years
    c. 33 years
    d. 38 years

23. 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. 19 years
    b. 29 years
    c. 39 years
    d. 49 years

24. Ayesha's father was 38 years of age when she was born while her mother was 36 years old when her brother four years younger to her was born. What is the difference between ages of her parents?
    a. 2 years
    b. 4 years
    c. 6 years
    d. 8 years

25. A person was asked to state his age in years. His reply was " Take my age three years hence, multiply it by 3 and then subtract three times my age three years ago and you will know how old I am." What was the age of the person?
    a. 18 years
    b. 20 years
    c. 24 years
    d. 32 years