

## Ages

### Mode 1: Ages Based on Simple Conditions (AMCAT 2016)

1. The present age of the father is five times the age of the son. Five years ago, the age of the father was ten times the age of his son at that time. How old is a father at present?



1) 45 years      2) 40 years      3) 48 years      4) 49 years      5) None of these

2. Meeta is four years older than Sunitha. After eight years, the sum of their ages will be three times that of their present ages. What is the age of Meeta?

1) 10 years      2) 8 years      3) 6 years  
4) Data inadequate      5) None of these

3. Product of the ages of A and B is 1050 and their sum is 65. What is the difference in their ages?

1) 20      2) 10      3) 5  
4) Cannot be determined      5) None of these

### Model 2: Ages Based on Complex Conditions (TCS 2015)

4. Father's age is 25 years more than the son's age. Four years hence, father's age will become 1 year less than thrice the son's age. What is father's present age?



1) 31 years      2) 38 years      3) 34 years      4) 36 years      5) None of these

5. The difference between the present ages of Praveen and Javed is 4 years. The ratio of their ages after 5 years will be 9:8. What is Praveen's age at present?

1) 32 years      2) 30 years      3) 24 years      4) 28 years      5) None of these

6. The ratio of the age of father and son at present is 5:1. After 5 years, the sum of their ages is 46. What is the age of the father at present?
- 1) 35 years      2) 25 years      3) 40 years      4) 30 years      5) None of these
7. The difference in the present ages of Jadhav and Vinay is 24 years and the ratio of their ages is 3:7. What is the sum of their present ages?
- 1) 48      2) 60      3) 66  
4) Cannot be determined      5) None of these

**Model 3: Calculation of Age Based on Ratio (AMCAT 2016)**

8. Ranjan's and Anurag's ages are in the ratio 4:5. Four years hence, their age ratio will become 5:6. What is Anurag's present age?
- 1) 20 years      2) 16 years      3) 24 years  
4) Data insufficient      5) None of these
9. The ages of A and B are presently in the ratio of 5:6. Six years hence this ratio will become 6:7. What was B's age 5 years ago?
- 1) 25 years      2) 30 years      3) 36 years      4) 31 years      5) None of these
10. The ratio of present ages of Atul and Mithun is 3:4. Six years hence the ratio of their ages will become 4:5. What is the present age of Mithun in years?
- 1) 18      2) 24      3) 30  
4) Data inadequate      5) None of these

11. The present ages of Amit and his father are in the ratio of 2:5 respectively. Four years hence the ratio of their ages will become 5:11 respectively. What was the father's age 5 years ago?
- 1) 40 years      2) 45 years      3) 30 years      4) 35 years      5) None of these
12. Ages of Ajay and Vijay are in the ratio of 2:3 respectively. Six years hence, the ratio of their ages will become 11:15 respectively. What will be Ajay's age 8 years hence?
- 1) 40 years      2) 24 years      3) 30 years      4) 35 years      5) None of these

#### Model 4: Age Difference Based on Ratio

13. The ages of Samina and Suhana are in the ratio of 7:3. After 6 years, the ratio of their ages will be 5:3. What is the difference in their ages?
- 1) 6 years      2) 8 years      3) 10 years      4) 12 years      5) None of these
14. The present ages of Trisha and Shalini are in the ratio of 7:6 respectively. After 8 years the ratio of their ages will be 9:8. What is the difference in their ages at present?
- 1) 4 years      2) 8 years      3) 10 years      4) 12 years      5) None of these
15. The ages of Nisha and Vine are in the ratio of 6:5. After 9 years the ratio of their ages will be 9:8. What is the difference in their ages?
- 1) 9 years      2) 7 years      3) 5 years      4) 3 years      5) None of these
16. The ages of Shakti and Kranti are in the ratio of 8:7. After 10 years, the ratio of their ages will be 13:12. What is the difference in years between their ages?
- 1) 2 years      2) 4 years      3) 6 years      4) 8 years      5) None of these

**Model 5: Calculation of Age Based on Average** (CTS 2016)

17. After 5 years the average age of a daughter and her mother will become 29.5 years. If today



the ratio of their ages is 2:5. What is the present age of daughter?

- 1) Cannot be determined                      2) 25                      3) 21  
4) 14                      5) None of these

18. Four years ago the average of son's and father's age was 27.5. Today the ratio of their age is 5:16. What is son's present age?

- 1) 16                      2) 11                      3) 14  
4) Cannot be determined                      5) None of these

19. The average age of a family of 6 is 60 years. If the youngest in the family is 10 years old,



what is the age of the oldest in the family?

- 1) 20 years                      2) 30 years                      3) 25 years  
4) Cannot be determined                      5) None of these

20. The average age of the boys and the girls in class is 10. The ratio between the numbers of boys to that of girls is 3:2. What is the average age of only the boys?

- 1) 18 years                      2) 15 years                      3) 14 years  
4) Data inadequate                      5) None of these

**Answers**

1 - 1	2 - 3	3 - 5	4 - 3	5 - 5	6 - 4	7 - 2	8 - 1	9 - 4	10 - 2
11 - 4	12 - 2	13 - 2	14 - 1	15 - 4	16 - 1	17 - 4	18 - 5	19 - 4	20 - 4

**Practice Questions**

1. I am three times as old as my son. 15 years hence, I will be twice as old as my son. The sum of our ages is  
a) 48 years      b) 60 years      c) 64 years      d) 72 years
2. At present, the ratio of the ages of Maya and Chhaya is 6:5 and fifteen years from now, the ratio will get changed to 9:8. Maya's present age is  
a) 21 years      b) 24 years      c) 30 years      d) 40 years
3. In a family, the average age of a father and a mother is 35 years. The average age of the father, mother and their only son is 27 years. What is the age of Son?  
a) 12 years      b) 11 years      c) 10.5 years      d) 10 years
4. The average age of 11 players of a cricket team is increased by 2 months, when two of them age 18 years and 20 years are replaced by 2 new players. The average of the new players, is  
a) 19 years 1 month      b) 19 years 6 months  
c) 19 years 11 months      d) 19 years 5 months
5. Rakhi got married 6 year ago. Today her age is 114times her age at the time of marriage. Her son's age is 110times her age. Her son's age is  
a) 2 years      b) 3 years      c) 4 years      d) 5 years
6. The ratio of the present age of Manoj to that of Wasim is 3:11. Wasim is 12 years younger than Rehana. Rehana's age after 7 years will be 85 years. What is the present age of Manoj's

father, who is 25 years older than Manoj?

- a) 43 years      b) 67 years      c) 45 years      d) 69 years

**Answers**

1 - b	2 - c	3 - b	4 - c	5 - b	6 - a
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