



ARMY PUBLIC SCHOOL

CLASS - VIII (Mathematics)

CHAPTER -2 (LINEAR EQUATION IN ONE VARIABLE)

- Two numbers are in the ratio 6:7 . if their sum is 91, find the numbers.
- If the length is 5 cm more than the breath of a rectangle and perimeter is 130 cm, then find the length and breadth of the rectangle.
- Given that 18 is the difference between a 2 - digit number and that formed by reversing its digits . If the sum of the digits of the numbers is 8, then find the number.
- The present ages of Ram and Rehman are in the ratio 8: 9 , After 5 years , the ratio of their ages will be 9 : 10 , find the present ages.
- Find a number whose fourth part when decreased by 20 is equal to its fifth part increased by 30.
- Divide 34 into two parts in such a way that $(4/7)$ th of one part is equal to $(2/5)$ th of the other.
- The numerator of a fraction is 4 less than the denominator. If 1 is added to both its numerator and denominator, it becomes $\frac{1}{2}$. Find the fraction.
- After 12 year I shall be 3 times as old as I was 4 year ago. Find my present age.
- Two numbers are such that the ratio between them is 3 : 5 . if each is increased by 10, the ratio between the new numbers so formed is 5 :7 . find the original numbers.
- Divide Rs. 1380 among Ahmed, John and Babita so that the amount Ahmed receives is 5 times as much as Babita's share and is 3 times as much as John's share.
- Find a number whose double is 45 greater than its half.
- Divide 184 into two parts such that one third of one part may exceed one - seventh of another part by 8 .
- Sunita is twice as old as Ashima . If six years is subtracted from Ashima's age and four years added to Sunita's age, then Sunita will be four times Ashima's age . How were they two years ago?
- The ages of Sonu and Monu are in the ratio 7 : 5 . Ten years hence, ther ratio of their ages will be 9 : 7 . Find their present ages.
- Four - fifth of a number is more than three - fourth of the number by 4.
Find the number.

ANSWERS

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| 1. 42,49 | 6. 14 and 20 | 11. 30 |
| 2. 35,30 | 7. $\frac{3}{7}$ | 12. 72 and 112 |
| 3. 53 | 8. 12 Yrs | 13. 26 and 12 Yrs |
| 4. 40,45 | 9. 15 and 25 | 14. 35 and 25 Yrs |
| 5. 1000 | 10. 900,300,180 | 15. 80 |