



1. $2x + 3y = 7, 4x - y = 5$
2. $3x - 2y = 8, 5x + y = 3$
3. $x + 2y = 10, 2x - 3y = 1$
4. $4x + 5y = 12, 2x - y = 3$
5. $3x - 2y = 6, 6x + y = 9$
6. $x + 3y = 5, 2x - y = 4$
7. $2x + y = 7, 3x - 2y = 8$
8. $5x - 4y = 3, 3x + 2y = 11$
9. $x - 2y = 6, 2x + 3y = 1$
10. $4x + 2y = 10, 2x - y = 5$
11. $3x + 2y = 12, 6x - 3y = 6$
12. $2x - 4y = 10, x + 3y = 2$
13. $3x + 5y = 14, 2x - y = 7$
14. $4x - 2y = 8, 3x + 2y = 11$
15. $2x + 3y = 9, 4x - 2y = 6$
16. $x - y = 3, 2x + 4y = 10$
17. $3x + 2y = 7, 2x - 3y = 1$
18. $4x - y = 9, x + 2y = 3$
19. $5x + 3y = 11, 3x - 2y = 5$
20. $2x + 4y = 8, x - 3y = 5$
21. $3x - 2y = 6, 6x + y = 9$
22. $4x + y = 10, 2x - 3y = 1$

23. $2x + 3y = 7, 3x - 2y = 8$

24. $x + 2y = 10, 2x - 3y = 1$

25. $4x + 5y = 12, 2x - y = 3$

26. $3x - 2y = 8, 5x + y = 3$

27. $x + 2y = 10, 2x - 3y = 1$

28. $4x + 2y = 12, 2x - y = 6$

29. $5x - 4y = 3, 3x + 2y = 11$

30. $x - 2y = 6, 2x + 3y = 1$

31. $4x + 2y = 10, 2x - y = 5$

32. $3x + 2y = 12, 6x - 3y = 6$

33. $2x - 4y = 10, x + 3y = 2$

34. $3x + 5y = 14, 2x - y = 7$

35. $4x - 2y = 8, 3x + 2y = 11$

36. $2x + 3y = 9, 4x - 2y = 6$

$$37. x - y = 3, 2x + 4y = 10$$

$$38. 3x + 2y = 7, 2x - 3y = 1$$

$$39. 4x - y = 9, x + 2y = 3$$

$$40. 5x + 3y = 11, 3x - 2y = 5$$

$$41. 2x + 4y = 8, x - 3y = 5$$

$$42. 3x - 2y = 6, 6x + y = 9$$

$$43. 4x + y = 10, 2x - 3y = 1$$

$$44. 2x + 3y = 7, 3x - 2y = 8$$

$$45. x + 2y = 10, 2x - 3y = 1$$

$$46. 4x + 5y = 12, 2x - y = 3$$

$$47. 3x - 2y = 8, 5x + y = 3$$

$$48. x + 2y = 10, 2x - 3y = 1$$

$$49. 4x + 2y = 12, 2x - y = 6$$

$$50. 5x - 4y = 3, 3x + 2y = 11$$

51. The sum of two numbers is 137 and their difference is 43. Find the numbers.
52. The sum of thrice the first and the second is 142 and four times the first exceeds the second by 138, then find the numbers.
53. Sum of two numbers is 50 and their difference is 10, then find the numbers.
54. The sum of twice the first and thrice the second is 92 and four times the first exceeds seven times the second by 2, then find the numbers.
55. The sum of two numbers is 1000 and the difference between their squares is 25600, then find the numbers.
56. The difference between two numbers is 14 and the difference between their squares is 448, then find the numbers.
57. The sum of two natural numbers is 8 and the sum of their reciprocals is Find the numbers.
58. The sum of the digits of a two digit number is 12. The number obtained by interchanging the two digits exceeds the given number by 18. Find the number.
59. Seven times a two-digit number is equal to four times the number obtained by reversing the order of its digit. If the difference between the digits is 3, then find the number.
60. The sum of the digits of a two digit number is 9. Also, nine times this number is twice the number obtained by reversing the order of the digits. Find the number.
61. The sum of the digits of a two digit number is 9. If 27 is added to it, the digits of the numbers get reversed. Find the number.
62. The sum of a two-digit number and the number obtained by reversing the digits is 66. If the digits of the number differ by 2, find the number. How many such numbers are there?
63. A two-digit number is 4 more than 6 times the sum of its digit. If 18 is subtracted from the number, the digits are reversed. Find the number.
64. The sum of a two-digit number and the number obtained by reversing the digits is 99. If the digits differ by 3, find the number.
65. The sum of a two-digit number and the number formed by interchanging its digit is 110. If 10 is subtracted from the original number, the new number is 4 more than 5 times the sum of the digits of the original number. Find the original number.
66. A two-digit number is 3 more than 4 times the sum of its digit. If 18 is added to the number, the digits are reversed. Find the number.
67. The sum of the digits of a two digit number is 15. The number obtained by interchanging the two digits exceeds the given number by 9. Find the number.
68. Ten years hence, a man's age will be twice the age of his son. Ten years ago, man was four times as old as his son. Find their present ages.
69. A man's age is three times the sum of the ages of his two sons. After 5 years his age will be twice the sum of the ages of his two sons. Find the age of the man.
70. If twice the son's age in years is added to the mother's age, the sum is 70 years. But if twice the mother's age is added to the son's age, the sum is 95 years. Find the age of the mother and her son.
71. Five years ago Nuri was thrice old as Sonu. Ten years later, Nuri will be twice as old as Sonu. Find the present age of Nuri and Sonu.
72. The present age of a woman is 3 years more than three times the age of her daughter. Three years hence, the woman's age will be 10 years more than twice the age of her daughter. Find their present ages.
73. Two years ago, a man was 5 times as old as his son. Two years later his age will be 8 more than three times the age of the son. Find the present ages of the man and his son.

74. I am three times as old as my son, Five years later, I shall be two and a half times as old as my son. How old am I and how old is my son?
75. A and B are friends and their ages differ by 2 years. A's father D is twice as old as A and B is twice as old as his sister C. The age of D and C differ by 40 years. Find the ages of A and B.
76. The ages of two friends Ani and Biju differ by 3 years. Ani's father Dharam is twice as old as Ani and Biju is twice as old as his sister Cathy. The ages of Cathy and Dharam differ by 30 years. Find the ages of Ani and Biju.
77. A boat goes 30 km upstream and 44 km downstream in 10 hours. In 13 hours, it can go 40 km upstream and 55 km down-stream. Determine the speed of the stream and that of the boat in still water.
78. Places A and B are 100 km apart on a highway. One car starts from A and another from B at the same time. If the cars travel in the same direction at different speeds, they meet in 5 hours. If they travel towards each other, they meet in 1 hour. What are the speeds of the two cars?
79. Points A and B are 90 km apart from each other on a highway. A car starts from A and another from B at the same time. If they go in the same direction they meet in 9 hours and if they go in 9 opposite directions they meet in hours. Find their speeds.
80. A train covered a certain distance at a uniform speed. If the train would have been 10 km/h. faster, it would have taken 2 hours less than the scheduled time. And, if the train were slower by 10 km/h, it would have taken 3 hours more than the scheduled time. Find the distance covered by the train.

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