

Best Choice Worksheet

State the BEST way to solve the system for ALL problems.

Solve each system using the BEST method.

State the answer as a point and **BOX** it.

1. $2x + 4y = -18$
 $5x - 4y = -3$

2. $3x = y + 23$
 $x = 3y - 11$

3. $2x + 4y = 16$
 $-2x + 4y = 24$

4. $5x - 5y = 10$
 $3x + 3y = 18$

5. $x + 3y = 7$
 $-5x - 3y = -11$

6. $3x = y + 23$
 $x = 3y - 11$

7. $x + 3y = -8$
 $x + 4y = -8$

8. $-5x - 4y = 20$
 $2x - 8y = -8$

9. Find the value of the two numbers if their sum is 12 and their difference is 4.

10. The school that Stefan goes to is selling tickets to a choral performance. On the first day of ticket sales the school sold 3 senior citizen tickets and 1 child ticket for a total of \$38. The school took in \$52 on the second day by selling 3 senior citizen tickets and 2 children's tickets. Find the price of a senior citizen ticket and the price of a child's ticket.

11. A store sold a total of 125 car stereo systems and speakers in one week. The car stereo systems were sold for \$104.95, and the speakers sold for \$18.95. The total sales from these two items totaled \$6926.75. How many car stereo systems and speakers were sold?

12. On the windowsill is a plant that is 35 centimeters tall. It is growing 5 centimeters per week. A second plant, which is 41 centimeters tall, is on the coffee table. It is growing 3 centimeters per week. Eventually the two plants will be the same height. At what week will the plants be the same height in centimeters?

13. A nature center charges \$35.25 for a yearly membership and \$6.25 for a single admission. Last week it sold a combined total of 50 yearly memberships and single admissions for \$660.50. How many memberships and how many single admissions were sold?