

**Solving Systems Word Problems - Matching Worksheet**

Match the word problems to their answers. Write the letter of the answer that matches the problem.

- \_\_\_\_\_ 1. Michael wants to sell key chains. On the first day, he sells 9 black keychain sets and 3 white keychain sets. He sells 45 key chains in total. On the second day he sold 5 black keychain sets and 3 white keychain sets, for a total of 37 key chains. The black keychain sets contain   x   key chains and the white keychain sets contain   y   key chains.
- \_\_\_\_\_ 2. Joshua wants to make veggie patties. On Saturday, he makes 6 plates of potato patties and 12 plates of tomato patties. He made a total of 102 patties. On Sunday, he makes 6 plates of potato patties and 7 plates of tomato patties for a total of 62 patties. The plates of potato patties contain   x   patties and the plates of tomato patties contain   y   patties.
- \_\_\_\_\_ 3. Logan wants to buy some bags. On Monday, he buys 5 boxes of big bags and 10 boxes of small bags, for a total of 95 bags. On Tuesday, he buys 5 boxes of big bags and 6 boxes of small bags for a total of 67 bags. The boxes of big bags contain   x   bags and the boxes of small bags contain   y   bags.
- \_\_\_\_\_ 4. Nathan wants to buy fruits. On Tuesday, he buys 10 bags of bananas and 9 bags of guavas. He had a total of 94 fruits. On Wednesday, he buys 10 bags of bananas and 6 bags of guavas, for a total of 76 fruits. The bags of bananas contain   x   fruits and the bags of guavas each have   y   fruits.
- a.  $x = 5$   
 $y = 7$
- b.  $x = 2$   
 $y = 9$
- c.  $x = 4$   
 $y = 6$
- d.  $x = 1$   
 $y = 8$

