

Name _____

Date _____

Solving Systems Word Problems - Independent Practice Worksheet

Complete all the problems.

1. Julia is making candles. In the morning, she made 9 rose candle plates and 6 lily candle plates. They had a total of 48 candles. In evening, she made 6 rose candle plates and 12 lily candle plates. Julia had a total of 72 candles. The rose plates have _____ candles and the lily plates contain _____ candles.



2. Elaine wants to purchase books. On Monday, she purchased 5 red bags of books and 9 blue bags of books for a total of 78 books. On Tuesday, she purchased 7 red bags of books and 4 blue bags of books for a total of 49 books. The red bag contains _____ books and the blue bag has _____ books.

3. Jacob wants to buy packets of fruit juice. On Tuesday, he buys 8 packets of orange and 6 packets of apple. The packets make a total of 34 cups of fruit juice. On Wednesday he buys 14 packets of orange and 6 packets of apple. This allows him to make 46 cups of fruit juice. The packets of orange can make _____ cups of juice. The packets of apple can make _____ cups of juice.

4. David wants to sell pens. On day one, he sold 10 ink pen sets and 8 ball point pen sets, for a total of 130 pens. On day two, he sold 7 ink pen sets and 8 ball point pen sets, for a total of 115 pens. The ink pen sets contain _____ pens and the ball point pen sets contain _____ pens.

5. Sophia wants to make cupcakes. On Saturday, she makes 3 small cupcake pans and 6 big cupcake pans for a total of 42 cupcakes. On Sunday, she makes 4 small cupcake pans and 6 big cupcake pans for a total of 50 cupcakes. The small cake pans make _____ cupcakes and the big cake pans make _____ cupcakes.



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6. Emma goes to the market and purchases some chocolates. One day, she purchased 7 packets of dark chocolates and 10 packets of vanilla chocolates. Each type of chocolate came in different sizes. The total number of chocolates she received was 123. On the second day, she buys 2 packets of dark chocolates and 10 packets of vanilla chocolates for a total of 78 chocolates. The packets of dark chocolate contain _____ chocolates and the packets of vanilla chocolate contain _____ chocolates.

7. Olive wants to buy some water bottles. On Monday, she buys 4 boxes of green water bottles and 2 boxes of red water bottles. Between all the boxes there are a total of 46 water bottles. On Tuesday, she buys 6 boxes of green water bottles and 2 boxes of red water bottles, for a total of 58 water bottles. The boxes of green water bottles contain _____ bottles and the boxes of red water bottles contain _____ bottles.

8. Lucas wants to sell party paper sets. On the first day, he sold 6 yellow paper sets and 8 white paper sets. In total he sold 320 papers. On day two, he sold 6 yellow paper sets and 4 white paper sets, for a total of 220 papers. The yellow paper sets contain _____ papers and the white paper sets contain _____ papers.

9. Daniel wants to make snack plates of chips. The chips are 6 inches in length each. On Saturday, he made 5 plates of potato chips and 9 plates of tomato chips, for a total of 94 chips. On Sunday, he makes 5 plates of potato chips and 4 plates of tomato chips, for a total of 64 chips. The plates of potato chips contain _____ chips and the plates of tomato chips contain _____ chips.

10. Joey is making tea for the soccer team. In the morning, he made 8 pots of green tea and 7 pots of black tea. This made a total of 134 cups of tea. In the evening, he made 12 pots of green tea and 7 pots of black tea, for a total of 166 cups of tea. The green tea pot makes _____ cups of tea and the black tea pot makes _____ cups of tea.

