Name Date

5.2 Practice B

Solve the system of linear equations by substitution.

1.  2. 

3. **The revenue for a vehicle rental store is $5460. There were 208 cars and 52 vans rented. A van rents for $10 more than a car. Write a system of equations that represents this situation. What is the cost of the car rental? What is the cost of the van rental?**

4. **The sum of the digits of a two-digit number is 11. The tens digit is one less than three times the ones digit. Find the original number.**

5. **The farmers’ market has a total of 98 tents. The ratio of food tents to retail tents is 9:5. Write a system of linear equations that represents this situation. How many food tents are at the farmers’ market? How many retail tents are at the farmers’ market?**

6. **Forty-five children attend a preschool. The number of two-year-olds is one half the number of three-year-olds. The number of four-year-olds is the same as the number of three-year-olds.**

a. **How many two-year-olds attend the preschool?**

b. **How many three-year-olds attend the preschool?**

c. **How many four-year-olds attend the preschool?**