

5.) Rent-A-Car rents compact cars for a fixed amount per day plus a fixed amount for each mile driven. Benito rented a car for 6 days, drove it 550 miles, and spent \$337. Lisa rented the same car for 3 days, drove it 350 miles, and spent \$185. What is the charge per day and the charge per mile for the compact car?

6.) The length of a rectangle is equal to triple the width. Find the length and width of the rectangle if the perimeter is 86 centimeters.

7.) The Frosty Ice-Cream Shop sells sundaes for \$2 and banana splits for \$3. On a hot summer day, the shop sold 8 more sundaes than banana splits and made \$156. Find the number of sundaes and banana splits that were sold that day.

8.) At a college bookstore, Carla purchased a math textbook and a novel that cost a total of \$54, not including tax. If the price of the math textbook is \$8 more than 3 times the price of the novel, find the price of each book.

9.) A travel agency offers different getaways to New York. Plan A includes hotel accommodations for 3-nights and 2-pairs of baseball tickets for \$645. Plan B includes hotel accommodations for 5-nights and 4-pairs of baseball tickets for \$1135. How much does a single hotel cost and how much does a single pair of baseball tickets cost?

10.) Tickets for the theater are \$5 for the balcony and \$10 for the orchestra. If 600 tickets were sold and the total receipts were \$4750, how many tickets of each type were sold?

11.) You bought 5 pairs of socks for \$19. The wool socks you bought cost \$5 per pair. The cotton socks you bought cost \$3 per pair. How many of each type of sock did you buy?

12.) Some students want to order shirts with their school logo. One company charges \$9.65 per shirt plus a setup fee of \$43.00. Another company charges \$8.40 per shirt plus a \$58 fee. For what number of shirts would the cost be the same?

13.) Maricella has a bag containing 35 nickels and quarters. The total value of these coins is less than \$2.50. What is the maximum number of quarters that meets these conditions?