

## FLUENCY PRACTICE: Word Problems: Elimination B

Name: \_\_\_\_\_

Period: \_\_\_\_\_

**Directions:** Identify both variables, set-up both equations, solve by eliminating one of the variables, substitute to find the other answer, and then answer the question with a complete sentence. **Show all work.**

1. Roger wanted to paint a few rooms in his house, so he bought 6 gallons of paint and 4 paintbrushes for a total of \$158. Later he bought 5 more gallons of paint and 3 more paintbrushes for \$131. How much does one gallon of paint cost and one paintbrush cost?
2. Rhonda owns a small business. One day, she needed some paper and file folders. She bought 6 boxes of paper and 9 boxes of file folders, paying a total \$135. A month later, she bought another 8 boxes of paper and 5 boxes of file folders, also paying \$145. How much do each box of paper and file folders cost?
3. The yearbook staff is putting an order in for 595 yearbooks. The students had a choice between the standard yearbook, which costs \$20.00, or the deluxe edition, which is \$30.00, with a dust cover and extra autograph pages. The total cost of the order was \$15,300. How many of each type of yearbook was ordered?
4. Lawrence owns a small business at a local summer resort, renting out rollerblades and bikes to people during the summer. He rented a total of 36 bikes and pairs of rollerblades yesterday. For each pair of rollerblades that Lawrence rented, he made \$10.00 and for each bike he rented, he made \$15.00. Lawrence made a total of \$435. How many of each did he rent yesterday?

5. Jennifer's and Debra's families decided to spend the day at Worlds of Amusement. Jennifer's family had 2 adults and 3 children, costing \$104. Debra's family paid \$147 for 3 adults and 4 children. How much does an adult and child cost to go to Worlds of Amusement?
  
6. Kerry is an information tech for a business. One day he had to order 5 new keyboards and 3 monitors and he paid \$305. A week later, he had to order 4 more keyboards and 4 more monitors for \$380. How much did Kerry pay for a keyboard and a monitor?
  
7. A movie theater is showing the new Star Wars movie. At one showing there were 41 adults and 53 children and the theater made \$531.50. At another showing which made \$448.00, there were 32 adults and 48 children. How much does each adult's ticket and each children's ticket cost at the movie theater?