Lesson 14: Multi-Step Ratio Problems

Problem Set

1. A salesperson will earn a commission equal to of the total sales. What is the commission earned on sales totaling ?
2. DeMarkus says that a store overcharged him on the price of the video game he bought. He thought that the price was marked of the original price, but it was really off the original price. He misread the advertisement. If the original price of the game was , what is the difference between the price that DeMarkus thought he should pay and the price that the store charged him?
3. What is the cost of a washing machine after a discount of the original price?
4. If a store advertised a sale that gave customers a discount, what is the fractional part of the original price that the customer will pay?
5. Mark bought an electronic tablet on sale for off the original price of . He also wanted to use a coupon for off the sales price. How much did Mark pay for the tablet?
6. A car dealer paid a certain price for a car and marked it up by of the price he paid. Later, he sold it for . What is the original price?
7. Joanna ran a mile in physical education class. After resting for one hour, her heart rate was beats per minute. If her heart rate decreased by , what was her heart rate immediately after she ran the mile?