Worksheet 5

1. Bob earns $250.00 per week plus 6% commission on his total sales for the week. If he earned $310.00 last week, what were his total sales?

   A. $10.00

   B. $59.04

   C. $1,000.00

   D. $5,166.67

2. Tom and Jerry each contributes money to an investment pool. Tom puts in $5000 and Jerry puts in $3000. If the profit for the first year is $2400, and they are to split the profit in the same ratio as their respective contributions, how much should Tom receive?

   A. $900

   B. $1000

   C. $1200

   D. $1500

3. If you received $108 in commission for selling a TV set, and your commission rate is 9%, what was the cost of the TV set?

   A. $117.72

   B. $972

   C. $833

   D. $1,200

4. After deductions totaling 28% of his pay, Jose received a paycheck of $2,160.00 . What was his pay before deductions?

   A. $604.80

   B. $2,764.80

   C. $3,000.00

   D. $7,714.29

5. Selena left $8.40 in tip, which was 15% of the cost of the meal. What was the cost of the meal?

   A. $56

   B. $1.26

   C. $9.88

   D. $60

6. A store employee gets 10% employee discount. A dress that originally sells for $75.00 is on sale at 25% off. How much will the dress cost after both the 25% reduction and the 10% employee discount?

   A. $26.25

   B. $50.63

   C. $48.75

   D. $56.25

7. Of the 750 employees at STCC, 4% do not drink coffee. Of the ones that drink coffee, 5% like their coffee black. How many DO NOT drink their coffee black?

   A. 300

   B. 450

   C. 675

   D. 684

8. If a basketball player on the average makes 7 out of 10 shots, how many shots did he make in the entire season if he shot the ball 950 times.

   A. 665

   B. 685

   C. 700

   D. 1375

9. If it takes 6 hours to paint a house, what fraction of the house will be painted after 2 hours and 40 minutes of work?

   A. $\dfrac{4}{9}$

   B. $\dfrac{2}{9}$

   C. $\dfrac{9}{4}$

   D. $\dfrac{18}{5}$

10. Six more than twice Sam's age is the same as five less than 3 times his age. If s represents Sam's age, which equation below correctly expresses this relationship?

   A. $6 + 2s = 5 - 3s$

   B. $2s + 6 = 3s - 5$

   C. $6 + 2s = (5 - 3)s$

   D. $(6 + 2)s = 5 - 3s$

11. The quotient of a number x decreased by three and five is the same as the number x increased by nine. Which equation correctly expresses this relationship?

   A. $\dfrac{x}{5} - 3 = x + 9$

   B. $\dfrac{x - 3}{5} = x + 9$

   C. $\dfrac{1}{x - 3 \cdot 5} = x + 9$

   D. $\dfrac{x}{3} - 5 = 9 + x$

Math 85 Worksheet 5