Lesson 4 Problem-Solving Practice

Multiply Decimals by Decimals

1. **GIFTS** Colin is making soap for gifts. The table shows the cost of the scented oils needed to make each kind of soap. He needs 1.5 ounces of scented oil to make a batch of soap. If he wants to make 2 batches of lavender soap and 2 batches of vanilla soap, how much money will he need for the oils?

Oil	Cost
almond	$1.23 per ounce
lavender	$1.54 per ounce
vanilla	$1.65 per ounce
melon	$1.12 per ounce

2. **GROCERY** Iona's favorite peaches are $2.50 per pound at the local farmers' market. She bought 3.5 pounds of the peaches. How much did she spend?

3. **SHOPPING** Jennifer is buying new school clothes. The items she wants to buy add up to $132.50 before sales tax. Sales tax is calculated by multiplying the total amount by 0.08. What is the amount of sales tax for the items?

4. **DRIVING** Ana bought a van that holds 20.75 gallons of gas and gets an average of 15.5 miles per gallon. How many miles can she expect to go on a full tank?

5. **INCOME** Ishi makes $8.50 an hour rolling sushi at a restaurant. His paycheck shows that he worked 20.88 hours over the past two weeks. How much did Ishi make before taxes?

6. **TRAVEL** Manny is on vacation in France. He has rented a car to drive 233.3 kilometers from Paris to Brussels and wants to figure out the distance in miles. Since 1 kilometer is equal to about 0.62 mile, he needs to multiply the total kilometers by 0.62. About how many miles will Manny drive?