Name _____

Point Patrol Answer Key

1. 2.4 × 3.5 = 8.40. Reason: There are 2 decimal places in the factors, so the product has 2 decimal places.
2. 0.8 × 0.7 = 0.56. Reason: The product must be less than 1.
3. 4.25 × 2 = 8.50 (or 8.5). Reason: Multiply by 2 and place the decimal correctly.
4. 1.6 × 0.5 = 0.80 (or 0.8). Reason: Multiplying by one-half makes the product smaller.
5. 3.12 × 4 = 12.48. Reason: The product has 2 decimal places.
6. 0.45 × 6 = 2.70 (or 2.7). Reason: The product has 2 decimal places.
7. 7.3 × 1.2 = 8.76. Reason: There are 2 decimal places in the factors.
8. 2.08 × 5 = 10.40 (or 10.4). Reason: The product has 2 decimal places.

Teacher's Guide

- Review how to count the total number of decimal places in the factors before placing the decimal point in the product.
- Encourage students to estimate each product first to determine whether the given answer is reasonable.
- Have students explain their reasoning using place value, not just the decimal place counting rule.
- Provide place value charts or grid paper for students who need additional support.
- Let pairs compare corrections and discuss why an incorrect decimal point changes the value of the product.
- Challenge students to write two multiplication problems with intentionally misplaced decimal points for a classmate to correct.
- Reinforce that the decimal point is placed after multiplying the whole-number digits, using estimation as a final check.