Lesson 4 Practice Problems

1. Select **all** the equations that describe each situation and then find the solution.

   a. Kiran's backpack weighs 3 pounds less than Clare's backpack. Clare's backpack weighs 14 pounds. How much does Kiran's backpack weigh?

   - $x + 3 = 14$
   - $3x = 14$
   - $x = 14 - 3$
   - $x = 14 \div 3$

   b. Each notebook contains 60 sheets of paper. Andre has 5 notebooks. How many sheets of paper do Andre's notebooks contain?

   - $y = 60 \div 5$
   - $y = 5 \cdot 60$
   - $\frac{y}{5} = 60$
   - $5y = 60$

2. Solve each equation.

   a. $2x = 5$

   b. $y + 1.8 = 14.7$

   c. $6 = \frac{1}{2}z$

   d. $3\frac{1}{4} = \frac{1}{2} + w$

   e. $2.5t = 10$

3. For each equation, draw a tape diagram that represents the equation.

   a. $3 \cdot x = 18$

   b. $3 + x = 18$

   c. $17 - 6 = x$

(From Unit 6, Lesson 1.)

4. Find each product.

   $(21.2) \cdot (0.02)$ $(2.05) \cdot (0.004)$

(From Unit 5, Lesson 8.)

5. For a science experiment, students need to find 25% of 60 grams.

   - Jada says, "I can find this by calculating $\frac{1}{4}$ of 60."
   - Andre says, "25% of 60 means $\frac{25}{100} \cdot 60$."

   Do you agree with either of them? Explain your reasoning.

(From Unit 3, Lesson 13.)