Lesson 13 Practice Problems

1. Mai had $14.50. She spent $4.35 at the snack bar and $5.25 at the arcade. What is the exact amount of money Mai has left?

    A. $9.60

    B. $10.60

    C. $4.90

    D. $5.90

2. A large cheese pizza costs $7.50. Diego has $40 to spend on pizzas. How many large cheese pizzas can he afford? Explain or show your reasoning.

3. Tickets to a show cost $5.50 for adults and $4.25 for students. A family is purchasing 2 adult tickets and 3 student tickets.

    a. Estimate the total cost.

    b. What is the exact cost?

    c. If the family pays $25, what is the exact amount of change they should receive?

4. Chicken costs $3.20 per pound, and beef costs $4.59 per pound. Answer each question and show your reasoning.

    a. What is the exact cost of 3 pounds of chicken?

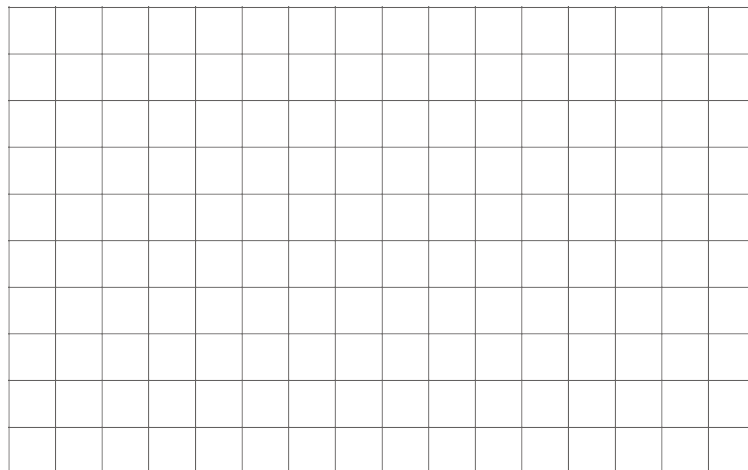   b. What is the exact cost of 3 pound of beef?

    c. How much more does 3 pounds of beef cost than 3 pounds of chicken?

5.   a. How many $\frac{1}{5}$-liter glasses can Lin fill with a $1\frac{1}{2}$-liter bottle of water?

    b. How many $1\frac{1}{2}$-liter bottles of water does it take to fill a 16-liter jug?

(From Unit 3, Lesson 12.)

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6. Let the side length of each small square on the grid represents 1 unit. Draw two different triangles, each with base $5\frac{1}{2}$ units and area $19\frac{1}{4}$ units^2.

Why does each of your triangles have area $19\frac{1}{4}$ units^2? Explain or show your reasoning.

(From Unit 3, Lesson 10.)

7. Find each quotient.

a. $\frac{5}{6} \div \frac{1}{6}$

b. $1\frac{1}{6} \div \frac{1}{12}$

c. $\frac{10}{6} \div \frac{1}{24}$

(From Unit 3, Lesson 7.)

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