

LESSON
6-3 **Problem Solving**
Solving Systems by Elimination

Write the correct answer.

1. Mr. Nguyen bought a package of 3 chicken legs and a package of 7 chicken wings. Ms. Dawes bought a package of 3 chicken legs and a package of 6 chicken wings. Mr. Nguyen bought 45 ounces of chicken. Ms. Dawes bought 42 ounces of chicken. How much did each chicken leg and each chicken wing weigh?

2. Jayce bought 2 bath towels and returned 3 hand towels. His sister Jayna bought 3 bath towels and 3 hand towels. Jayce's bill was \$5. Jayna's bill was \$45. What are the prices of a bath towel and a hand towel?

3. The Lees spent \$31 on movie tickets for 2 adults and 3 children. The Macias spent \$26 on movie tickets for 2 adults and 2 children. What are the prices for adult and child movie tickets?

4. Last month Stephanie spent \$57 on 4 allergy shots and 1 office visit. This month she spent \$9 after 1 office visit and a refund for 2 allergy shots from her insurance company. How much does an office visit cost? an allergy shot?

Use the chart below to answer questions 5–6. Select the best answer. The chart shows the price per pound for dried fruit.

Dried Fruit Price List			
Pineapple	Apple	Mango	Papaya
\$7.50/lb	\$7.00/lb	\$8.00/lb	\$7.25/lb

5. A customer bought 5 pounds of mango and papaya for \$37.75. How many pounds of each fruit did the customer buy?
A 2 lbs mango and 3 lbs papaya
B 3 lbs mango and 2 lbs papaya
C 1 lb mango and 4 lbs papaya
D 4 lbs mango and 1 lb papaya
6. A store employee made two gift baskets of dried fruit, each costing \$100. The first basket had 12 pounds of fruit x and 2 pounds of fruit y. The second basket had 4 pounds of fruit x and 9 pounds of fruit y. Which two fruits did the employee use in the baskets?
F pineapple and apple
G apple and mango
H mango and papaya
J papaya and pineapple