

TEKS A.8.A



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?  
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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?  
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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?  
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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?  
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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