

LESSON 27 Practice

- Olivia has x dimes and y nickels totaling \$1.80.
 - Write an equation relating x and y .
 - If she has 15 dimes, how many nickels does she have?
- Laura has x five-dollar bills and y ten-dollar bills amounting to \$80.
 - Write an equation relating x and y .
 - If she has 8 five-dollar bills, how many ten-dollar bills does she have?
- A 100-point test has x multiple-choice questions worth 2 points each and y short-answer questions worth 5 points each.
 - Write an equation relating x and y .
 - If there are 6 5-point questions, how many 2-point questions are on the test?
- Anna and her friends went to see a movie and spent \$45 to buy 5 bags of popcorn and 4 sodas. Popcorn costs x per bag, and sodas cost y each.
 - Write an equation relating x and y .
 - If each bag of popcorn costs \$6.20, how much does each soda cost?
- To raise money for a trip to summer camp, Dale sold 20 muffins at \$ x each and 46 cookies at \$ y each at a bake sale. He made \$113 in total.
 - Write an equation relating x and y .
 - If the price of cookies was \$1.50 each, what was the price of a muffin?
- At a festival, a group of people bought 7 adult tickets at \$ x each and 5 child tickets at \$ y each. They paid \$81 in total.
 - Write an equation relating x and y .
 - If adult tickets cost \$8 each, how much did each child ticket cost?
- Max has \$55 to buy x bags of flour and y bags of sugar for a church bake sale. A bag of flour costs \$4, and a bag of sugar costs \$6.50.
 - Write an equation relating x and y .
 - How many bags of sugar can Max buy if he buys 4 bags of flour?
- A restaurant has x tables that seat 4 people and y tables that seat 8 people. The restaurant can seat a total of 96 people.
 - Write an equation relating x and y .
 - If 6 tables seat 8 people, how many tables seat 4 people?