

## Module 7 Lesson 2

### Try This 7 – 9

Define the variables and write a system of equations that can be used to model each situation. You may want to use diagrams, tables, or graphs to organize your information.

**Note:** You do not have to solve these questions at this point.

7. At a fast food restaurant, one customer buys three hamburgers and two cheeseburgers for a total of \$12.35. Another customer buys five hamburgers and three cheeseburgers for \$19.52. Assuming GST is included, determine the cost of each kind of burger.
  
  
  
  
  
  
  
  
  
  
8. The perimeter of a lawn is 28 m. The length of the lawn is 1 m less than twice the width. Determine the length and width of the lawn.
  
  
  
  
  
  
  
  
  
  
9. Happy Trails trail mix contains 75% peanuts. Wanderer trail mix contains 55% peanuts. How much of each kind, in grams, must be mixed together to create 500 g of trail mix containing 60% peanuts?