1. Mr. Rodriguez spent $170 at the mall. He bought one pair of shoes for $80 and three nice shirts. If each shirt cost the same amount, how much did each shirt cost?

   a. Define your variable.
   \[ x = \text{price per shirt} \]

   b. Write an equation that describes this situation.
   \[
   80 + 3x = 170 \\
   \underline{-80} \hspace{1cm} \underline{-80} \\
   3x = 90 \\
   \frac{3x}{3} = \frac{90}{3} \\
   x = 30
   \]

   a. Solve your equation and answer the question in a full sentence.
   Each shirt cost $30.

1. The sum of four consecutive integers is 42. What is the smallest integer?

   a. Write an equation that describes this situation? Be sure to define your variables!
   \[ x = \text{smallest integer.} \]
   \[
   x + (x+1) + (x+2) + (x+3) = 42
   
   b. Solve your equation and answer the question in a full sentence.
   \[
   4x + 6 = 42 \\
   \underline{-6} \hspace{1cm} \underline{-6} \\
   4x = 36 \\
   \frac{4x}{4} = \frac{36}{4} \\
   x = 9
   \]
   The smallest consecutive integer that adds to 42 is 9.

3. The sum of two consecutive ODD integers is 48. What are the two integers?

   a. Write an equation that represents this situation- be sure to define your variables.
   \[ x + (x+2) = 48 \]
   \[ x = \text{smallest integer.} \]

   b. Solve your equation and answer the question in a full sentence.
   \[
   2x + 2 = 48 \\
   \underline{-2} \hspace{1cm} \underline{-2} \\
   2x = 46 \\
   \frac{2x}{2} = \frac{46}{2} \\
   x = 23
   \]
   Two consecutive odd integers that add up to 48 are 23 and 25.