

# 5.1 Puzzle Time

## Did You Hear About The Race Between The Lettuce And The Tomato?

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| A | B | C | D | E | F |
| G | H | I | J | K | L |

Complete each exercise. Find the answer in the answer column. Write the word under the answer in the box containing the exercise letter.

|                    |   |                        |
|--------------------|---|------------------------|
| bilateral<br>SAUCE | <b>Identify the type of triangle by its sides.</b><br>A. has two congruent sides<br>B. has three congruent sides<br>C. has no congruent sides   | right<br>THE           |
| scalene<br>WAS     |   | octagon<br>TURTLE      |
| 100°<br>TO         | <b>Identify the type of triangle by its angles.</b><br>D. has three congruent angles    E. has one obtuse angle<br>F. has three acute angles        G. has one right angle  | 71°<br>RABBIT          |
| acute<br>AND       |   | equal<br>AND           |
| equiangular<br>A   | <b>Complete the statement.</b><br>H. The measure of a(n) _____ angle of a triangle is equal to the sum of the measures of the two nonadjacent interior angles.<br>I. The acute angles of a right triangle are _____.  | equilateral<br>LETTUCE |
| 80°<br>THE         |   | complementary<br>WAS   |
| inverse<br>ROLL    | J. The sum of the measures of the _____ angles of a triangle is 180°.   | supplementary<br>RED   |
| skew<br>SALAD      |   | triangular<br>WIN      |
| exterior<br>TOMATO | K. Two angles in a triangle measure 36° and 64°. Find the measure of the exterior angle opposite the two angles.<br>L. The measures of two angles of a triangle are 54° and 17°. Find the measure of the third angle. | isosceles<br>THE       |
| opposite<br>KNIFE  |   | cute<br>FAST           |
| obtuse<br>"HEAD"   |   | interior<br>TRYING     |
| 109°<br>"KETCHUP"  |   |                        |