THINK FAST

**Students:** Follow the directions at each letter. Write your answers on a separate piece of paper. Answers must start with the corresponding letter. For example, the answers for the first activity must start with the letter “S”. How many of these can you complete?

|  |  |
| --- | --- |
| S | The reason we use symbols or signs in mathematics. |
| Y | Solve for Y in this equation.  [Y(26+4) +(6 x 5)] = {[10(16+4)] – (4 x 15)/3]} |
| M | Think about and record three ways to calculate the perimeter of this figure using mathematical symbols. Which of the three ways do you prefer? Why? .  6”    4” |
| B | What if the order of operations were to be changed from PEMDAS? Create a new order of operations. Explain how your new order of operations works. Make up an equation and solve using your new order of operations. Then solve it again using the standard order of operations (PEMDAS). How did the two solutions compare? Why do we have a set order of operations? |
| O | Make a list of at least five math symbols besides +, -, x, ÷, =, ( ), [ ], and {}. Research their meanings and pick at least one which is new to you. Use this symbol in one or more original equations. Solve your equation/s.  Use the following Web site to help with your research:  [www.solving-math-problems.com/math-symbols](http://www.solving-math-problems.com/math-symbols) |
| L | Use mathematical symbols to express the following nursery rhyme. Include ( ), { }, and [ ] and any other mathematical symbols, as needed.  Baa, baa, black sheep  Have you any wool?  Yes sir, yes sir  Three bags full.  One for my master,  One for my dame,  One for the little boy who lives in the lane.  Baa, baa, black sheep  Have you any wool?  Yes, sir, yes sir  Three bags full.  Choose another nursery rhyme from the book provided and express it using mathematical symbols. |

**Answer Key for “L”**

**2(Baa), black sheep**

**Have you any wool?**

**2(Yes sir)**

**1[3(bag full)] = 1(bag fullM + bag fullD + bag fullLBLL)**

**2(Baa), black sheep**

**Have you any wool?**

**2(Yes sir)**

**3(bag full)**