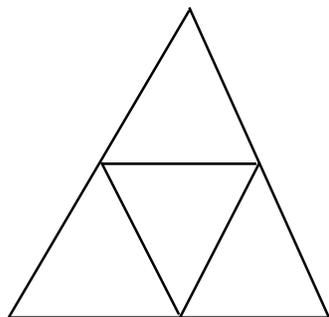


★ 1. How many different triangles are there in the diagram below?



\_\_\_\_\_ triangles

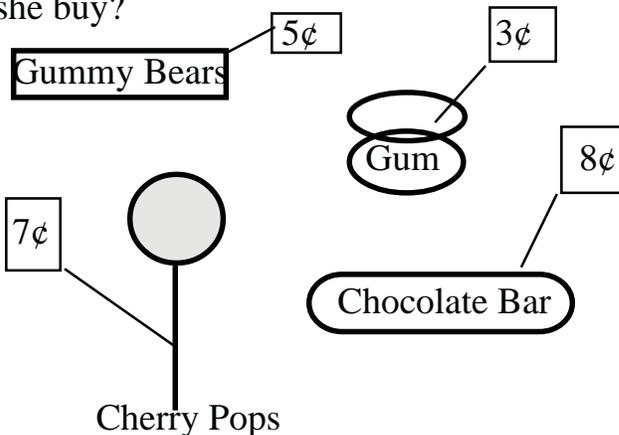
★★ 2. Robin Bird loves to eat worms. The chart below shows how many he ate in three days. If the pattern continues, how many will he eat on the eighth day?

Day	1	2	3	4	5	6	7	8
Worms	2	4	6					

★ 3. Ben's bus picks him up at 7:30 each morning. He arrives at school at 8:00 and the bell for class rings at 8:30. How many minutes does the bus ride take?

\_\_\_\_\_

★★★★ 4. Tamisha has 20 cents to spend at the school store. She wants to buy some candy to share with her friends. What can she buy?



\_\_\_\_\_

\_\_\_\_\_

### Strategy of the Month

*What do you do if you have a problem that seems to be very complicated? It may have lots of large numbers, too much information, or multiple conditions. One approach is to create a simpler problem like the one you need to solve. As you solve the easier problem, you may see the way to solve the more difficult one. Or you may discover a different process that will work with the harder problem. The trick is to be sure that your simpler problem is enough like the original one that the patterns or process you use will help you with the harder situation. **Make a simpler problem first as you solve this:***

Six soccer players will shake hands before the game begins. How many handshakes will there be? {Suppose there are only three players; four players.}

## MathStars Home Hints

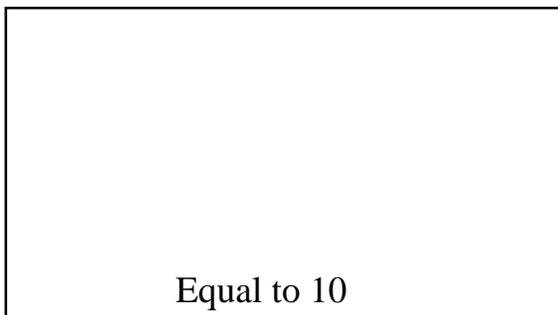
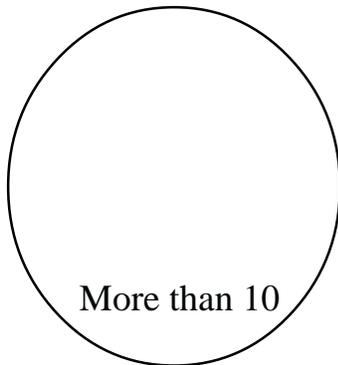
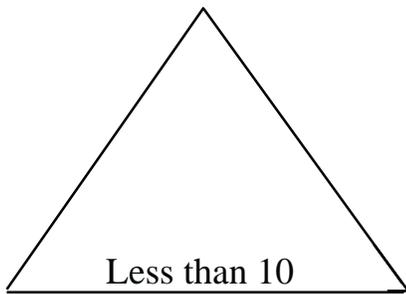
*Math skills develop as you apply concepts learned in school to real life situations.*

*Which product is the best buy? How many tiles will it take to cover the kitchen floor?*

*What time should we start baking the turkey so that we can have dinner at 7 p.m.? What do the statistics say about the two baseball players?*

★★ 5. Place the number facts in the correct shape:

$$\begin{array}{cccc} 6 + 4 & 5 + 4 & 6 + 6 & 9 + 5 \\ 2 + 8 & 1 + 9 & 3 + 4 & 8 + 3 \end{array}$$



★★★ 6. Estimate how many steps it takes to walk from your bedroom to the kitchen. Then carefully count the number of steps you actually take. Would this be the same for everyone in your family? Why?

Estimate for you \_\_\_\_\_

Number you actually walked \_\_\_\_\_

Who takes more steps? \_\_\_\_\_

Why? \_\_\_\_\_

★ 7. Write the numeral for:  
six tens + two ones + two hundreds

★ 8. How many days are in two weeks?

## Setting Personal Goals

*Confidence means that you believe in yourself. You can become a more confident problem solver by learning to use a variety of strategies. If your first idea does not work, don't give up just try another way! Working with a buddy also helps. You need to remember that there is usually more than one way to solve a problem and that practice always helps us learn.*