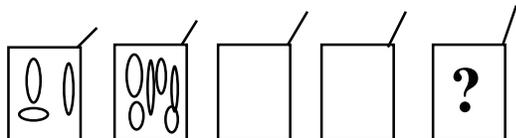




★★★★ 1. The first box has three balloons, the second box has six balloons. If this pattern continues, how many balloons will be in the fifth box?



★★★★ 4. How many wheels are on four tricycles and three bicycles?

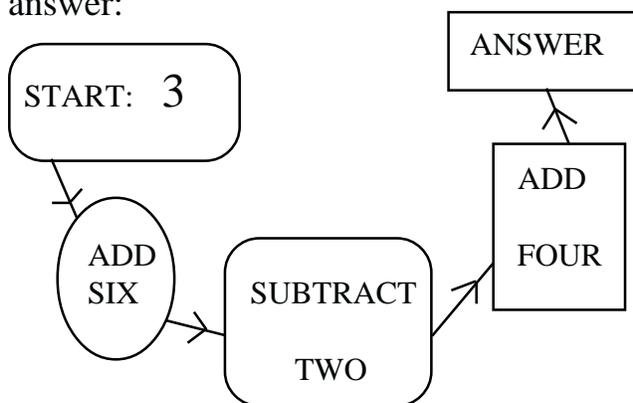
★★ 2. How tall do you think eight apples would be?

\_\_\_\_\_ More than a foot

\_\_\_\_\_ Less than a foot

\_\_\_\_\_ Exactly a foot

★★ 3. Follow the directions to the answer:



## Strategy of the Month

When a problem involves data with more than one characteristic, **making a table, chart, or graph** is a very good way to organize the information. It helps your brain to identify patterns and to discover any missing data. Tables help you record data without repeating yourself. Making a table or chart is especially useful for certain problems about probability and for some logic problems. Sometimes tables and charts are included in your information and you need to read through them carefully to understand the data you need to solve your problem. Creating a graph is also a good way to organize and visualize information. **Make a table** to solve this problem:

Loni has red, blue, green and yellow markers. She is coloring the stripes on the new soccer team flag. How many different flags can she color?



## MathStars Home Hints

*Everyone learns from sharing, and you can continue to learn by teaching others about the new mathematics ideas you are learning. Become a teacher and help a younger student. Explain what you have learned and what else you want to know. Good teachers set goals and evaluate the progress made toward reaching these goals. You will continue to be a learner whenever you become a teacher.*

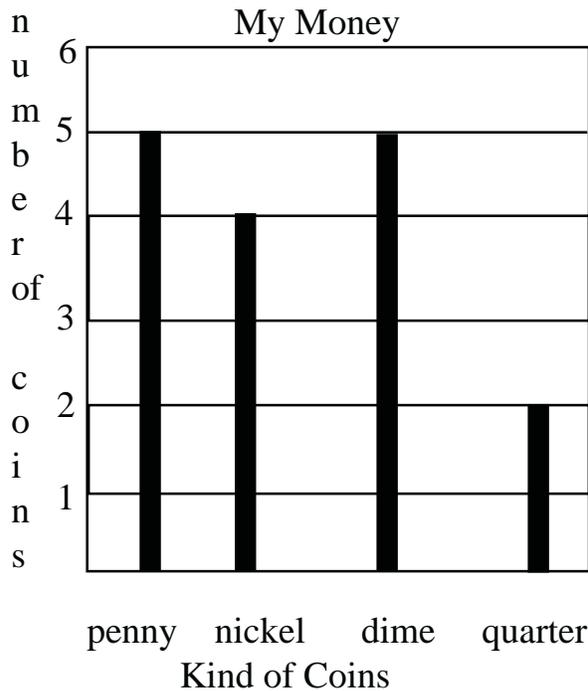
★ ★ ★ ★ 5. Twelve animals are swimming in the pond. There are twice as many ducks as there are frogs.

How many ducks are in the pond? \_\_\_\_\_

How many frogs are in the pond? \_\_\_\_\_

Hint: What two numbers add to 12?

★ ★ ★ ★ 6. Bill made a graph of the coins he had in his pocket.



How much money does he have in:  
a. pennies \_\_\_\_\_

b. nickels \_\_\_\_\_

c. dimes \_\_\_\_\_

d. quarters \_\_\_\_\_

7. How much does he have to spend?  
\_\_\_\_\_

## Setting Personal Goals

*Perseverance means that you do not give up easily. Good problem solvers try different strategies when they are stumped and are not discouraged when they cannot find an answer quickly. They stick to the task, using all of their previous experiences to make connections with what they know and the problem they are trying to solve. If something does not work, they discard the unsuccessful idea and try again using a different strategy.*