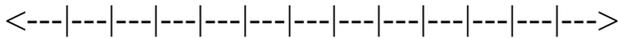


# MathStars

(a problem solving newsletter)

Vol. 2 No. 1

★★ 1. Here is part of the number line. Place the following numbers where they belong: 33, 31, 37, 28.



★★★ 5. Twenty-eight is a two-digit number whose digit sum is 10. [ $2 + 8 = 10$ ] How many other two-digit numbers have a digit sum of ten?

\_\_\_\_\_

What are the numbers?

★ 2. Put in + or - to make this statement true:

$$3 \square 4 \square 2 \square 5 = 10$$

★★ 3. Complete this pattern:

2 ---> 4  
4 ---> 6  
6 ---> 8  
8 ---> \_\_\_\_\_  
10 ---> \_\_\_\_\_

★★★ 4. Kristin wishes to bake some cakes. Each cake requires four eggs. How many cakes can Kristin bake if she has one dozen eggs?

## Strategy of the Month

*Someone said, "A picture is worth a thousand words." Turning the words of a problem into a picture or a diagram can help you "see" the problem. By using the part of your brain that visualizes a situation or object, you may see relationships or information that helps you solve the problem. When someone tells you a story, try turning the words into a motion picture or a cartoon. When reading a description, try "seeing it in your mind's eye." If you can do these things, this strategy may be for you! Try using a picture or make a diagram to solve this problem:*

In the playground there are three bicycles and four tricycles. How many wheels are there?

## MathStars Home Hints

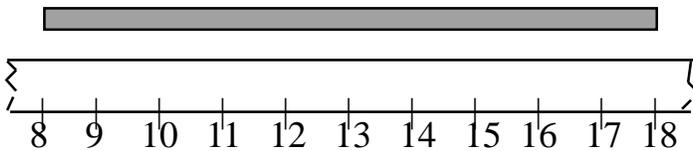
*Every year you grow and change in many different ways. Get someone to help you measure and record these data about yourself. Be sure to save the information because we will measure again in two months!*

How tall are you? \_\_\_\_\_

How much do you weigh? \_\_\_\_\_

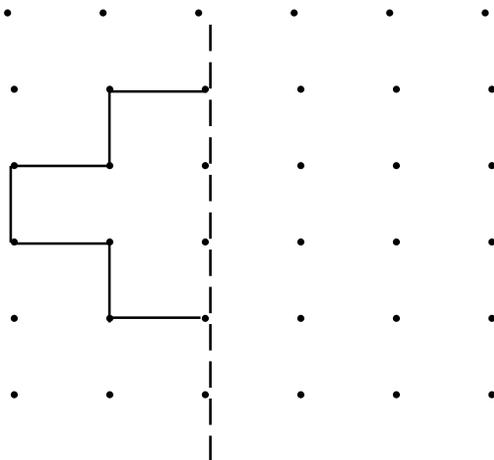
What is the circumference of your head?  
\_\_\_\_\_

- ★★ 6. Pat's Mom asked her to measure some ribbon. The only ruler she could find was broken. Pat says she can still measure the ribbon.



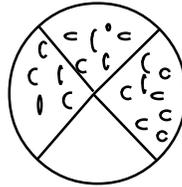
How long is the ribbon?

- ★★ 7. This is half of a symmetrical figure. Draw the other half.

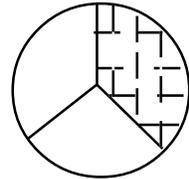


- ★★★ 8. Look at the shaded parts of each circle.

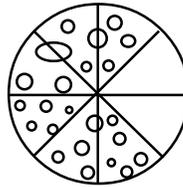
Which ones are less than half shaded?



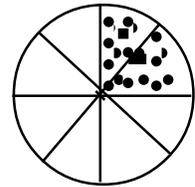
A



B



C



D

## Setting Personal Goals

*Problem solving is what you do when you don't know what to do. Being a good problem solver will help you be ready to live and work in our changing world. Computers can do computations but people must tell the computers what to do. Good problem solvers know how to make plans and use many different strategies in carrying out their plans. They use all of their past experiences to help them in new situations. We learn to swim by getting in the water; we learn to be good problem solvers by solving problems!*