

## **THE BIRTHDAY PARTY**

You are going to have a birthday party. You plan to play several games at your birthday party. Since you know you will get quite a few gifts, you decide to have small prizes for the winner of each game. Your mom helps you buy the prizes and a box for each prize at the store, but you have the job of wrapping each box. You want to make each prize look as pretty as possible. You plan to wrap each prize and then tie a ribbon around each box.

You don't have a ruler at home to help you with the job of measuring. Describe the estimates you will have to make in order to cut a piece of ribbon long enough to go around a box and have enough left over to tie a pretty bow.

Some of the boxes are cubes, some are rectangular prisms, and some are in the shape of a cylinder. Be sure to describe how you estimated ribbon for each different box.

To successfully complete this task you are expected to provide:

- the estimated measures you used to decide how much ribbon to use; and
- an estimation procedure for each type of box.

Your work will be evaluated on how well you have:

- devised an estimation strategy for each box; and
- communicated your procedures.

[Source: A Guide to K-12 Program Development in Mathematics, Connecticut State Department of Education]