Problem Solving and Communication Activity Series
Use Logical Reasoning

## Must, Can't, Might

Before sorting information from a problem into these three categories check with students to find out their understanding of the difference between them. One idea is to make a statement like:

$$
\text { I'm thinking of a number between } 0 \text { and } 5 .
$$

Ask the students for their ideas about what must or can't or might be true about your number. Depending on how they respond, perhaps, give them examples or give them another statement or ask them to give you one to try.

Below is a half page Student Handout, in case that's useful.

Name: $\qquad$

| Must be true | Can't be true | Might be true |
| :---: | :---: | :---: |
|  |  |  |

