# LEFTY AND RIGHTY ★☆

BY MARVIN MILLER

Lavinia and Rosalinda are identical twin sisters who share an old house down the road. Even their best friends only know one sure way to tell them apart: Lavinia is left-handed, while Rosalinda is right-handed.

Below are six objects that were just used by the sisters. Study them carefully. Can you tell which ones were more likely to have been used by Lavinia and which by Rosalinda?
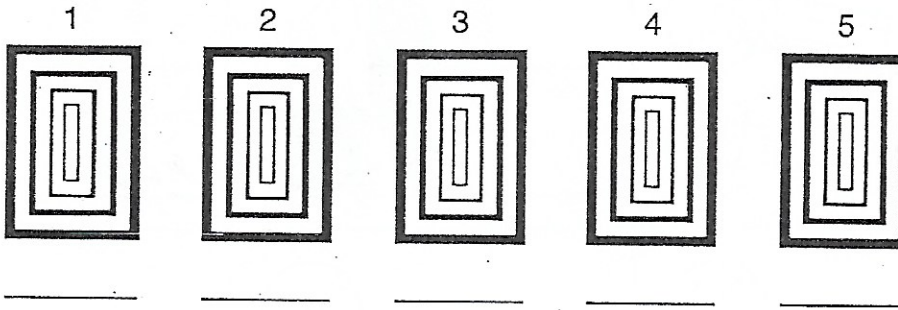
1

2

SEND TO THE CLEANERS

3

4

5

Cough Syrup

6

KARIN KRETSCHMANN
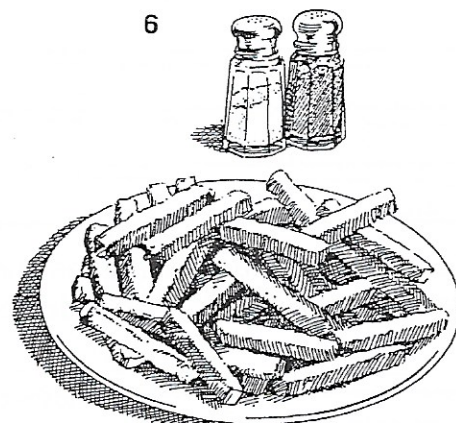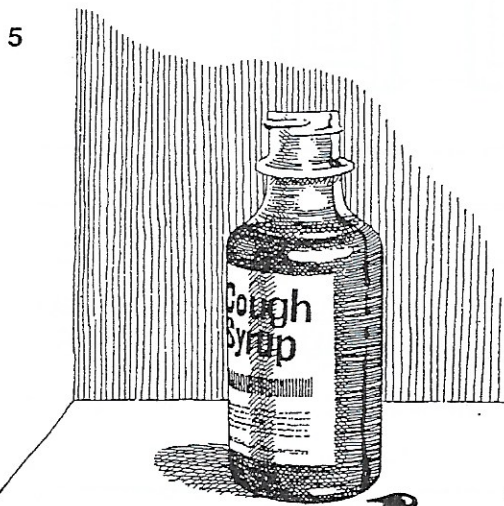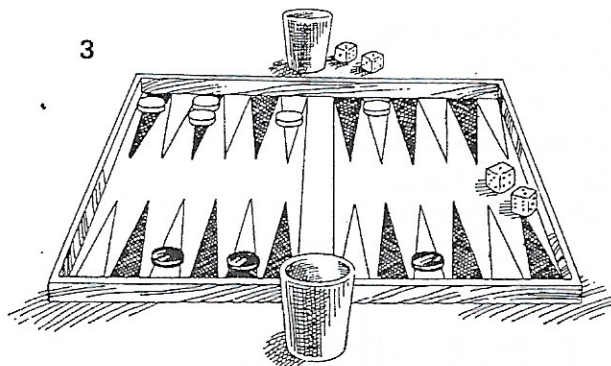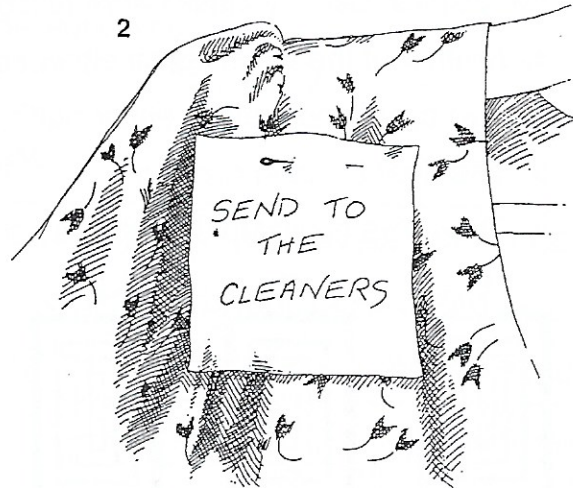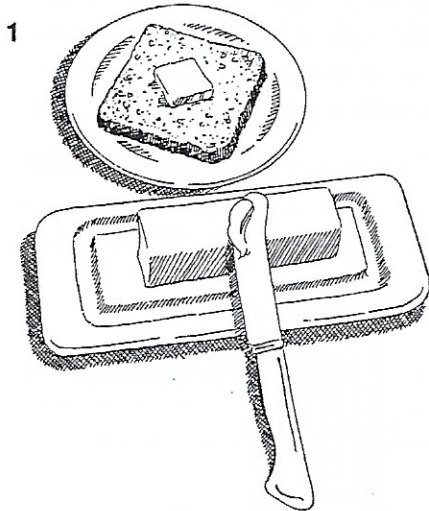
It's in the Cards

Five cards are lying face down. Each pictures an animal. There is one tiger, one emu, one zebra, and two puffins. Use the clues below to label each card.

1. Neither of the puffins is on either end.

2. The tiger is not next to either puffin.

3. The tiger is not in position 5.

4. The zebra is next to the tiger.

1	2	3	4	5

_____ _____ _____ _____ _____

Next, imagine that you have shuffled the cards and laid them down again. You know the new order of the cards. Write the name of each card's animal in the space provided. Then write 5 or fewer clues that will enable a classmate to figure out the order of the cards. Make sure that your clues cannot lead anyone to more than one answer.

1	2	3	4	5

_____ _____ _____ _____ _____

_____

_____
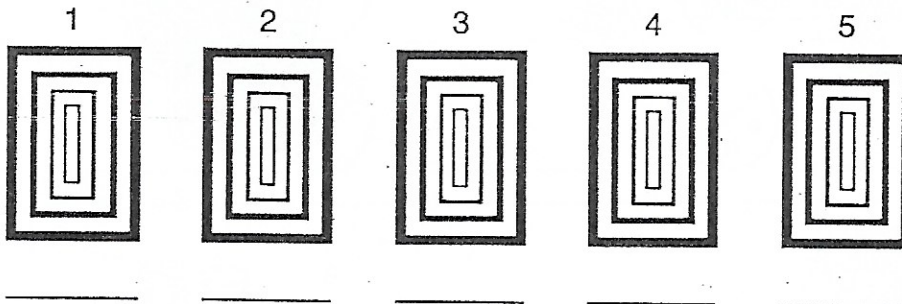
Now, cover the animal names and have a classmate use your clues to figure out the location of each animal.

**FOCUS:** Students use deductive reasoning to solve and write logic problems.

Strange Signs

These road signs actually make sense—if you can crack the code. The meaning of each sign appears in the box below. Each symbol in a sign stands for one word. By looking for repeated words in the signs, you can use logic to match each sign to its meaning. Write the correct meaning below each sign.
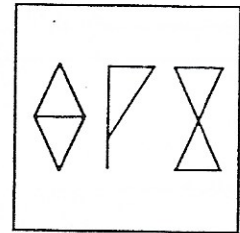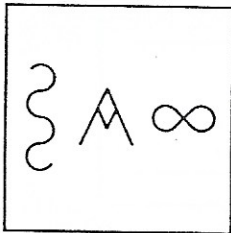
HINT: The signs are read from left to right.

SLIPPERY WHEN WET	NARROW WINDING ROAD	WET DRIVING CONDITIONS
NARROW ROAD AHEAD		SLIPPERY CONDITIONS AHEAD
SHARP LEFT TURN	SLIPPERY RIGHT TURN	HIDDEN DRIVEWAY AHEAD
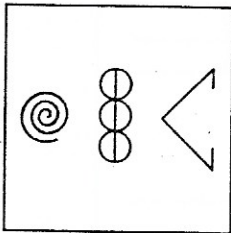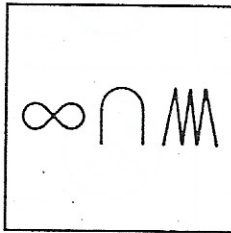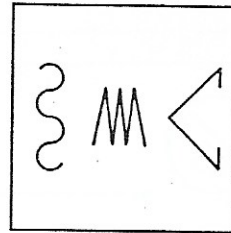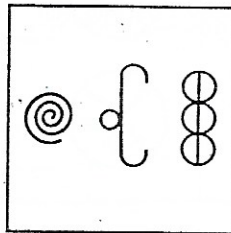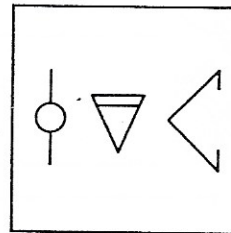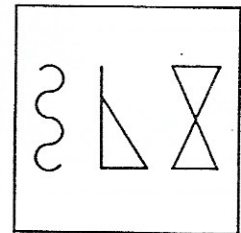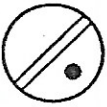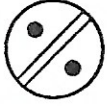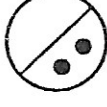
Use your solutions to draw a sign that means,
"SHARP RIGHT TURN AHEAD."

FOCUS: Students use deductive logic to break a code.
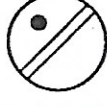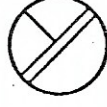
Space Translations

In each box below, there is an expression consisting of two words. They are written in Zork. This language, from another planet, uses designs to represent whole words. The English equivalents of the Zork expressions are shown in the box at the right. Use the English words that are repeated for help in figuring out the meanings of each Zork design.

Liquid Ice   Astro Engine
Planet Resources
Space Headquarters
Silver Planet   Inverted Engine
Planet Central   Astro Fuel
Central Headquarters