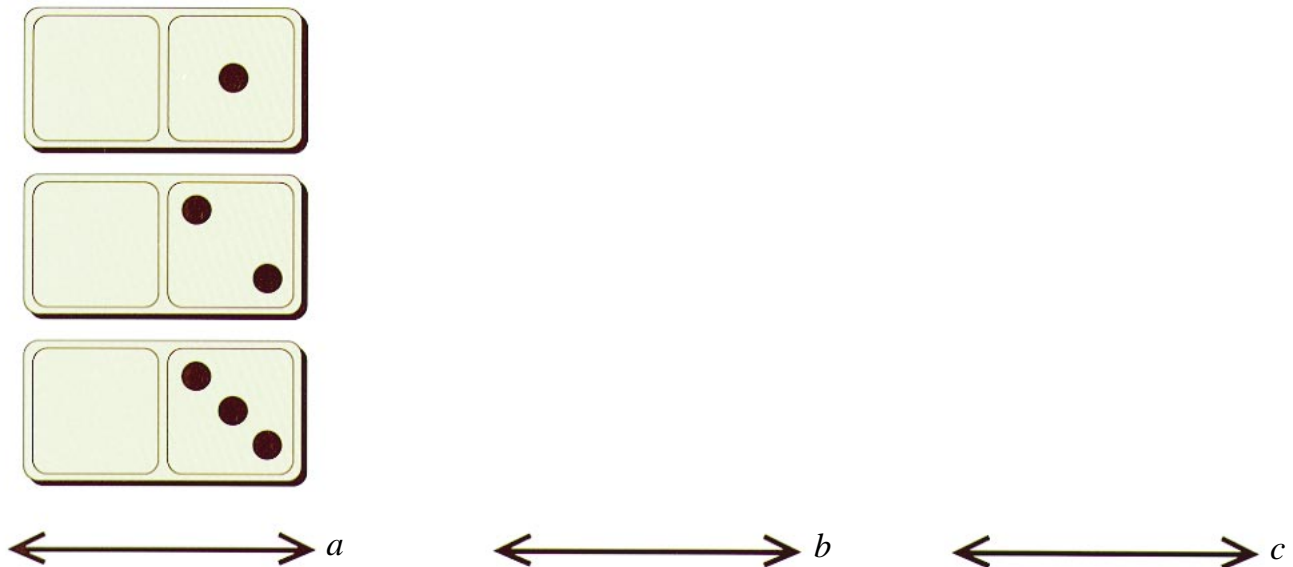


The Moving Dominoes

Problem-of-the-Week

The Problem

The object of this puzzle is to move the dominoes to either line b or line c . You may move only one domino at a time. Also, a larger number may never be on top of a smaller number.



Strategies and Hints

1. One way to keep track of your moves is to use a chart like the one shown at the right. Finish the chart to show the solution for three dominoes.
2. Another way to record your moves is to use a combination of numbers and letters. For example, the first move would be recorded as 1c. Record the solution for three dominoes using this system.
3. Explain why the peg-and-disk puzzle shown at the right is the same as the domino puzzle.
4. Solve the puzzle for four dominoes (or disks).

line a	line b	line c
1		
2		
3		
2		1
3		

