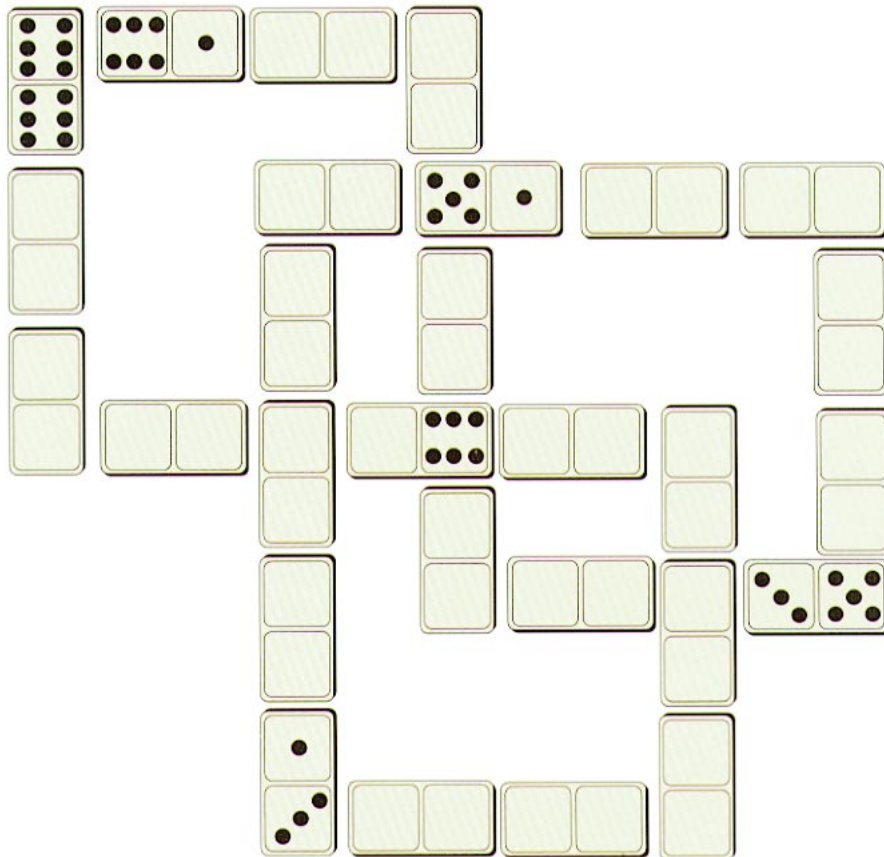


A Domino Knot

Problem-of-the-Week

The Problem

This matching puzzle uses the 28 dominoes from 0-0 through 6-6. The dominoes must be laid in the knot pattern so that adjacent halves of two different dominoes have the same number of dots. Six dominoes are shown to get you started.



Strategies and Hints

1. The dominoes from 0-0 through 6-6 are called the “Double-6” set. Each domino has two halves. How many halves occur in this set? How many times does each number 0 through 6 appear in the set?
2. Which dominoes that show a 6 have not yet been played?
3. Which dominoes should you try next?