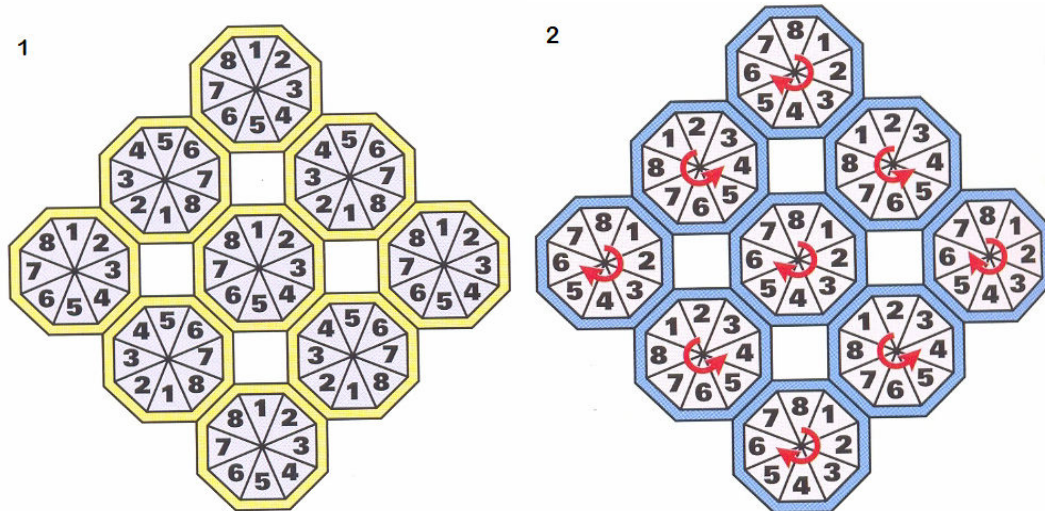


The Octopus handshake KEY



2. If the central disk is rotated clockwise by one facet, all four of the disks it touches will rotate one facet counter-clockwise, and all four of the disks at the outer corners will rotate one facet clockwise (like the central disk).
3. Observe what happens to the numbers: if children cannot imagine it, you can suggest cutting the octagons out to manipulate them (you have a printable copy on the next page).

Suggestions

- ✓ Ask the children to use English all the time, as they need only a limited vocabulary that they should know: left, right, odd, even, here, up, down, top, bottom, etc, plus the new vocabulary that they are learning today. Make them aware of these words before starting with the game.
- ✓ Provide a copy of the game to every child or to every two children.
- ✓ It's better if they do it in pairs, so they can talk about it.
- ✓ When they have finished, ask them if the octopuses meet in odd numbers or in even numbers.
- ✓ Some children find difficult to imagine rotations, so you can print next page on a transparency and cut it down to model it on an overhead. If you haven't got an overhead projector, you can give a paper copy for the children to cut it down and manipulate by themselves.

This game is adapted from the book:

© Fiendishly Frustrating Brain-Twisting Puzzles

Ivan Moscovich

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You can find lots of interesting games in it.

