

Nonconsecutive Number Boxes



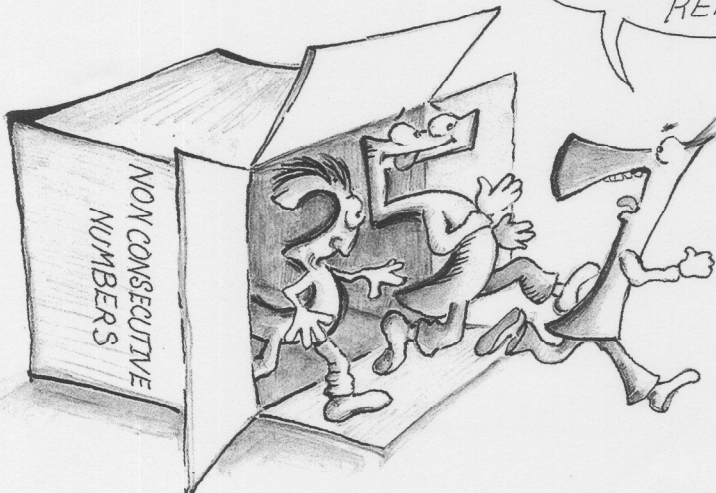
Number
sense

This activity shows how using manipulatives contributes to problem solving.

How

- Work with a partner, or alone.
- Arrange the numbers 1, 2, 3, 4, 5, 6, 7, 8 in grid A, so no two consecutive numbers are in squares with a common side or corner (vertex).
- Do the same for grid B.
- Use 1 through 10 for grid C and follow the same rules.
- Do you think your solutions are unique?
- Email your teacher with your responses.

LET'S GET OUT OF THIS PLACE! DON'T WORRY ABOUT WHAT ORDER, YOU'RE *NON CONSECUTIVE* REMEMBER?



Consecutive numbers follow each other when you count.

MATERIALS

number grids

numbers squares 0 through 10

WHAT'S THE MATH?

Spatial and logical reasoning.

Extensions

- Experiment with different grids to make up your own puzzle. Double check that there is a solution and give it to a friend to solve.
- Discuss what kinds of grids work for these types of puzzles. Are there any that would be impossible?

Grid
sheet

NonConsecutive Number Boxes

A

B

C

10

9

8

7

6

5

4

3

2

1