

MathemActive™

Aristotle's Number Puzzle Lesson Directions Overview

Equipment List

- 1 MathemActive™ Aristotle's Number Puzzle Floor Mat
- 19 Hexagonal Game Pieces (Numbered 1-19)
- 1 Storage Bag

Learning Objectives

1. Students will complete the puzzle by arranging the game pieces so that every straight line has a sum of 38.
2. Students will write addition equations to represent the sum of the addends (numbered game pieces) arranged in any straight line on the mat.
3. Students will calculate area and perimeter of two-dimensional figures.
4. Students will calculate surface area and volume of three-dimensional figures.

Grade Levels: Elementary and Up

Vocabulary Covered

- Addition
- Addends
- Sum
- Equation
- Hexagon
- Hexagonal Prism

CCMS Topics Addressed

- Quantity & Place Value
- Operations & Algebraic Thinking
- Geometry