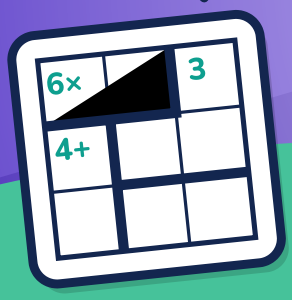
GeniusKite

Thinking skills for kids in the age of AI

Kids' Thinking Puzzles and Activities in the Age of AI

Fun Puzzles That Build Thinking Skills

Ages 9-11
Grades 4-5





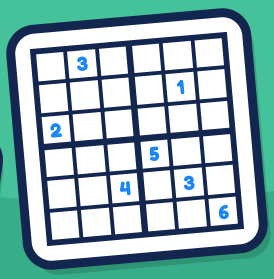












109 Puzzles: Logic Grids, Sudoku, Ciphers & More

GeniusKite Team

Logic Grids



Name: _____ **Warm-up** ★☆☆

Read the clues. Mark X for “no” and ✓ for “yes” in the grid. Then fill in the answer chart.

Puzzle 2 **Logic Grid**

At the science fair, four kids each built a different project. Who built what?

1. Eli did not build the volcano or the robot.
2. Fay did not build the volcano or the rocket.
3. Hana built the rocket.

Answer chart

Kid	Project
Eli	
Fay	
Gabe	
Hana	

	volcano	robot	rocket	bridge
Eli				
Fay				
Gabe				
Hana				



Pip's tip: Every time you place a ✓, X out the rest of that row and that column. A row with three X's has only one spot left!

Number Sequences



Name: _____ **Warm-up** ★☆☆

Find the rule. Fill in the missing numbers. Then explain your rule and how you checked it.

Puzzle 33 Find the Rule

2 → 6 → 18 → 54 → ☐ → ☐

The rule in words:

_____

How I checked it:

_____

Puzzle 34 Find the Rule

243 → 81 → 27 → ☐ → ☐

The rule in words:

_____

How I checked it:

_____



Pip's tip: Write the change between each pair of numbers above the arrow. Is it the same every time? If not, try a × or ÷ rule.