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 15-16
Grade
10









KEY
COLUMNS

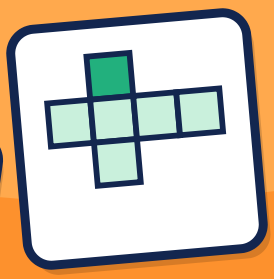
nCr



Pip

Kite





148 Logic, Counting, Cipher & AI Reasoning Puzzles

GeniusKite.com Team

FOR GROWN-UPS

A Note for Parents and Teachers



This book was written for students in **Grade 10** (about ages 15-16). Every puzzle is pitched at this one grade, and the difficulty climbs within each section from Warm-up to Challenge.

The puzzles practice careful reasoning: deduction, number sense, patterns, spatial thinking, language, and checking claims. The AI sections ask students to do what good thinkers do with any confident-sounding answer: test it step by step, look for the source, and explain what went wrong.

Nothing here requires a screen. A pencil, an eraser and some patience are enough.

Tips for using this book

- Let your student choose the section. Variety keeps things fresh.
- Encourage a quick estimate or guess before solving, then a check afterward.
- Use the answer key to discuss reasoning, not only to mark right or wrong.
- Short, regular sessions work well; ten or fifteen minutes is plenty.
- Celebrate effort on Challenge puzzles; getting stuck is part of the process.

Have fun thinking together!
The GeniusKite.com Team

Advanced Logic Grids

Name: _____ **Warm-up** ★ ☆ ☆

Use the clues to find who goes with what. Mark ✕ for no and O for yes in the grid.

#2 Bike Repair Shop

Volunteers fixed bikes. Each volunteer has a different color, time and job.

1. Ava arrived earlier than the volunteer who is the checker.
2. The volunteer who is the note taker arrived earlier than the volunteer in the orange jacket.
3. Hiro either is the planner or is the builder.
4. The volunteer who arrived at 4:00 either is the planner or is the builder.
5. The volunteer who is the checker did not wear a blue jacket.
6. Petra arrived earlier than the volunteer in the white jacket.
7. Of the volunteer who arrived at 4:15 and the volunteer who arrived at 4:30, one is the planner and the other is the checker.
8. The volunteer in the white jacket arrived earlier than the volunteer in the blue jacket.
9. The volunteer in the white jacket arrived earlier than the volunteer who is the checker.
10. Jamal arrived at 4:15.
11. The volunteer who is the planner either wore a gray jacket or wore a white jacket.

		Color					Time					Job				
		blue	gray	orange	red	white	3:45	4:00	4:15	4:30	4:45	builder	checker	note taker	planner	presenter
Name	Petra															
	Jamal															
	Hiro															
	Ava															
	Yara															
Job	builder															
	checker															
	note taker															
	planner															
	presenter															
Time	3:45															
	4:00															
	4:15															
	4:30															
	4:45															

Name	Color	Time	Job
Petra			
Jamal			
Hiro			
Ava			
Yara			

Kite's tip: Each time you find a YES, X out the rest of its row and column in that block.