How to Solve a Logic Grid

Follow one puzzle from the first clue to the answer.

Art Class. Three friends each made a different art project.

1. Beau did not make the weaving.
2. Neither Beau nor Tomas made the mosaic.

✓ **yes** ✗ **no**

	mosaic	weaving	sketch
Beau	✗	✗	✓
Tomas	✗	✓	✗
Jai	✓	✗	✗

Steps

1. Read clue 1. Beau did not make the weaving, so put an X where Beau and weaving meet.
2. Read clue 2. Put an X under mosaic for Beau and for Tomas.
3. Beau's row has one open box: sketch. Check it, then X out the rest of the sketch column.
4. Keep going with the two rules below. Then fill in the answers.

Two rules for every puzzle

- When a row or column has only one open box, put a check there.
- Each row and column gets one check. After you add a check, X out every other box in its row and column.

Level 3 tip: if a clue says Sam has either the cat or the dog, X out every other box in Sam's row. You do not know which one yet.

	Art project
Beau	sketch
Tomas	weaving
Jai	mosaic

Levels 2 and 3 have four kids and a 4 by 4 grid. You solve them the same way.

LEVEL 2

NAME _____

Puzzle 14: Pet Names

Four friends each have a pet with a different name.

1. Hal's pet is not named Pepper, and neither is Amara's.
2. Lucia's pet is named Pickles.
3. Amara's pet is not named Sunny.

PET NAME ✓ yes ✗ no

	Pepper	Noodle	Pickles	Sunny
Lucia				
Hal				
Ezra				
Amara				

	Pet name
Lucia	_____
Hal	_____
Ezra	_____
Amara	_____

LEVEL 2

NAME _____

Puzzle 14: Pet Names

Four friends each have a pet with a different name.

1. Hal's pet is not named Pepper, and neither is Amara's.
2. Lucia's pet is named Pickles.
3. Amara's pet is not named Sunny.

Hint: Clue 2 tells you the name of Lucia's pet.

PET NAME ✓ yes ✗ no

	Pepper	Noodle	Pickles	Sunny
Lucia				
Hal	✗			
Ezra				
Amara	✗			

	Pet name
Lucia	
Hal	
Ezra	
Amara	

FOR THE TEACHER

Answer Key

Puzzle 14: Pet Names

	Pet name
Lucia	Pickles
Hal	Sunny
Ezra	Pepper
Amara	Noodle

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The full pack has 30 of them

Pet Names comes from 4th Grade Logic Puzzles: 30 logic grid puzzles, one on every page, in three levels.

- **Level 1, Puzzles 1 to 10.** Three kids and a small grid.
- **Level 2, Puzzles 11 to 20.** Four kids and a bigger grid, like Pet Names.
- **Level 3, Puzzles 21 to 30.** Four kids and trickier "either … or" clues.

Every puzzle comes in Standard and Assisted versions, and the pack includes the How to Solve page and a full answer key.

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