

Logic Puzzles Trivia: Questions, Answers, and Facts

Printable Trivia Pack

Logic Puzzles trivia explores the history and appeal of problems designed to reward deduction, pattern recognition, and clear reasoning. From ancient riddles to modern brainteasers and grid-based challenges, the topic spans both playful family favorites and demanding puzzles that have long been used for entertainment and intellectual exercise.

HARD LOGIC PUZZLES TRIVIA

1. What is the name for a route in a graph that uses every edge exactly once, as characterized by Euler?

Answer: Eulerian trail

2. In the classic Königsberg bridges problem, which vertex property makes the desired walk impossible when it occurs at more than two vertices?

Answer: Odd degree

3. Which theorem guarantees that any planar map can be colored using no more than four colors?

Answer: The Four Color Theorem

4. In what year did the first computer-aided proof of the Four Color Theorem appear?

Answer: 1976

5. What is the generalized form of the eight queens puzzle called when it is extended to an $n \times n$ board?

Answer: The n-queens puzzle

6. For Towers of Hanoi with n disks, what expression gives the minimum number of moves in an optimal solution?

Answer: $2^n - 1$

7. Which classic river-crossing puzzle is commonly cited as a state-space search problem?

Answer: The missionaries and cannibals puzzle

8. What problem asks for a matching in which no blocking pair exists?

Answer: The stable marriage problem

9. Which algorithm is the standard solution method for the stable marriage problem?

Answer: The Gale-Shapley algorithm

10. What is the name of an array in which all rows, columns, and the two main diagonals have equal sums?

Answer: A magic square

11. What is the order of the smallest normal magic square?

Answer: Order 3

12. Which solid dissection puzzle consists of exactly seven pieces?

Answer: The Soma cube

13. Who invented the Soma cube in 1933?

Answer: Piet Hein

14. How many cubes are used in the puzzle Instant Insanity?

Answer: Four cubes

FUNNY LOGIC PUZZLES TRIVIA

1. Which famous "game" basically says, "I'll take it from here," since no players make moves after the start?

Answer: The Game of Life

2. Rubik's Cube didn't name itself after a dramatic twist. It was named after whom?

Answer: Ernő Rubik

3. In Mastermind, the game doesn't whisper clues in your ear. What does it use instead for feedback?

Answer: Black and white key pegs

4. The Zebra Puzzle is famous for making solvers chase which ownership mystery?

Answer: Who owns the zebra

5. In knights-and-knaves puzzles, who are the people you should absolutely not trust at face value?

Answer: The knaves

6. Which puzzle art form can pull off the visual equivalent of, "Look at me from another angle"?

Answer: Ambigrams

7. If a puzzle swaps out words or syllables for pictures, letters, or symbols, what kind of puzzle is it?

Answer: A rebus puzzle

8. Palindrome puzzles are built around sequences that do what impressive little trick?

Answer: They read the same forward and backward

9. When a math puzzle decides digits are too obvious and replaces them with letters in an equation, what is that called?

Answer: A cryptarithm

10. What is the classic cryptarithm that has probably shown up to class more reliably than most students?

Answer: SEND + MORE = MONEY

11. The 15 puzzle packs 15 numbered tiles into what kind of setup?

Answer: A 4⁴ frame with one empty space

12. Long before viral apps, the 15 puzzle became a full-on craze in which decade?

Answer: The 1880s

13. On a classic peg solitaire board, how many holes are there on the usual cross-shaped layout?

Answer: 33 holes

FUN LOGIC PUZZLES TRIVIA

1. Which puzzle has you doodling one continuous loop around a grid instead of filling in numbers?

Answer: Slitherlink

2. In Slitherlink, a number inside a cell tells you how many of that cell's sides are part of what?

Answer: The loop

3. What puzzle is all about placing bulbs so every white cell gets lit up?

Answer: Light Up

4. True or false: In Kakuro, can a single entry normally repeat a digit like two 4s in the same run?

Answer: False

5. If someone invites you to play Bridges, which puzzle are they talking about in English?

Answer: Hashi

6. In Hashi, what's the maximum number of bridges allowed between the same pair of islands?

Answer: Two bridges

7. Nurikabe's black cells aren't supposed to split into little puddles. What must they form instead?

Answer: One connected wall

8. In Futoshiki, how often may a number appear in a single row or column?

Answer: Only once

9. How many cells are packed into a standard Sudoku grid?

Answer: 81 cells

10. Which digits does a standard Sudoku use?

Answer: 1 through 9

11. Into how many 3³ boxes is a standard Sudoku divided?

Answer: Nine

12. Sudoku clue minimalists love this number: what is the fewest clues known for a valid

classic 9^ 9 Sudoku?

Answer: 17

13. Classically, how many slots are there in Mastermind's hidden code?

Answer: Four positions

LOGIC PUZZLES FAMILY TRIVIA

1. Who co-created the cellular automaton known as the Game of Life?

Answer: John Horton Conway

2. Which writer penned the long-running Mathematical Games column?

Answer: Martin Gardner

3. Martin Gardner's Mathematical Games column appeared in which magazine?

Answer: Scientific American

4. Who was the first crossword editor of The New York Times?

Answer: Margaret Petherbridge Farrar

5. In 1993, who became crossword editor of The New York Times?

Answer: Will Shortz

6. Which puzzle champion has won the American Crossword Puzzle Tournament multiple times?

Answer: Thomas Snyder

7. Which American puzzle composer became famous for mechanical and mathematical puzzles?

Answer: Sam Loyd

8. Which English author is known for mathematical puzzles and brainteasers?

Answer: Henry Dudeney

9. Knights tell the truth, knaves do notâ whose logic puzzles are especially known for that setup?

Answer: Raymond Smullyan

10. Who wrote books and newspaper features about mathematical puzzles?

Answer: Alex Bellos

11. Who invented the twisty puzzle called the Gear Cube?

Answer: Garrett Thomas

12. What twisty puzzle has pieces that turn through interlocking gears?

Answer: Gear Cube

EASY LOGIC PUZZLES TRIVIA

1. What pen name was used by Charles Lutwidge Dodgson?

Answer: Lewis Carroll

2. Lewis Carroll taught mathematics at which English university?

Answer: Oxford

3. Who created Sudoku in 1979 when it was called Number Place?

Answer: Howard Garns

4. The Japanese title Sudoku roughly translates to what?

Answer: single number

5. Who is often called the godfather of Sudoku?

Answer: Maki Kaji

6. Nikoli, famous for publishing many puzzles, is based in what country?

Answer: Japan

7. Light Up is also commonly known by what Japanese title?

Answer: Akari

8. Which puzzle is a crossword-style number puzzle built around sums?

Answer: Kakuro

9. In which logic puzzle are islands linked by bridges?

Answer: Hashi

10. Which Japanese logic puzzle divides a grid into islands and walls?

Answer: Nurikabe

11. What puzzle uses greater-than and less-than signs between numbers?

Answer: Futoshiki

12. In the puzzle Rush Hour, what are you trying to free?

Answer: a red car

13. What famous twisty puzzle is a 3[^] 3[^] 3 combination puzzle?

Answer: Rubik's Cube

Source: <https://triviagong.com/themes/logic-puzzles>