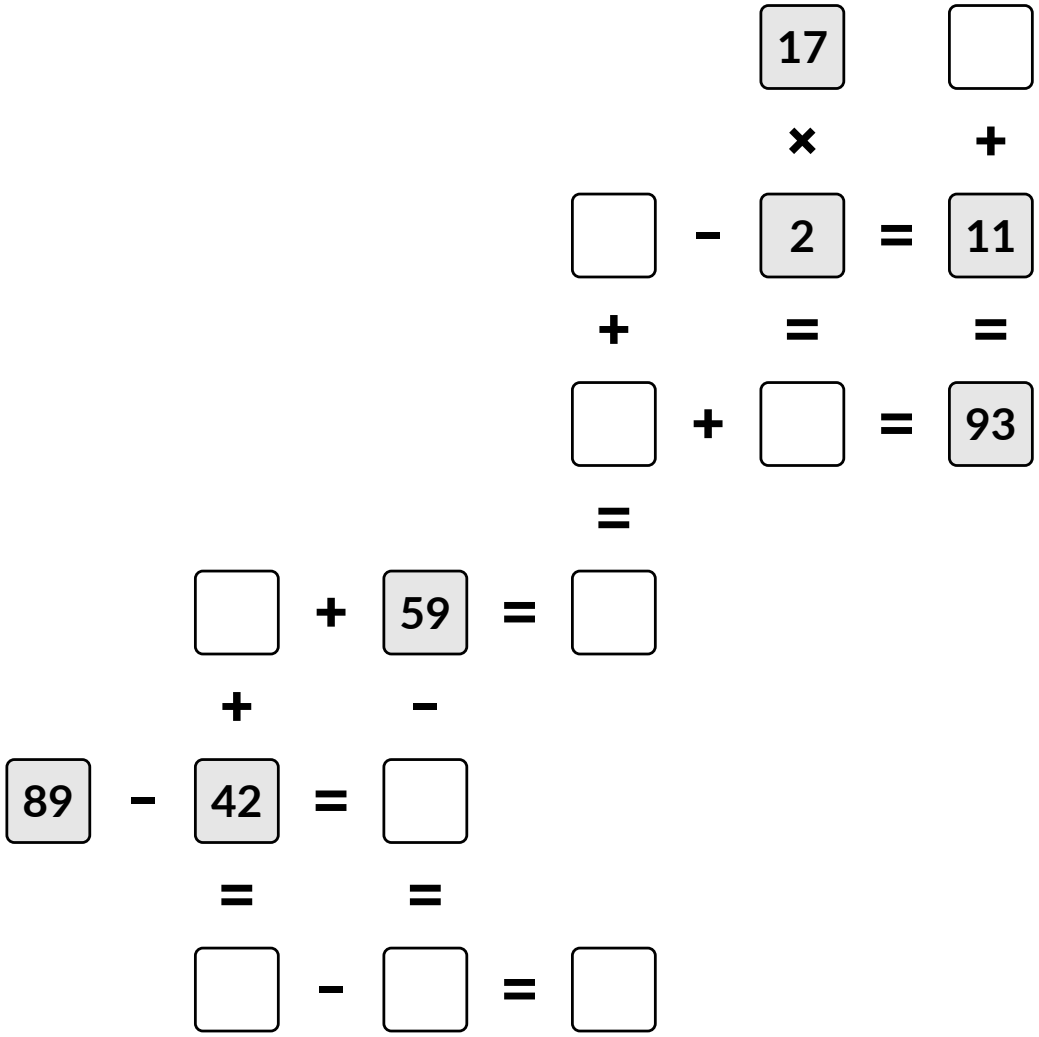
MATH CROSSWORDS

Large Print Math Crossword Puzzles for Adults

100 Number Crosswords with Addition, Subtraction, Multiplication and Division, Easy to Expert, One Big Puzzle per Page, with Solutions



Harper Lane

Large Print Math Crossword Puzzles for Adults

100 Number Crosswords with Addition, Subtraction, Multiplication and Division, Easy to Expert, One Big Puzzle per Page, with Solutions

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All 100 puzzles in this book are original. Each one has exactly one solution and can be solved by logic alone, without guessing.

First edition, 2026

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Puzzle Log 137

Sample pages

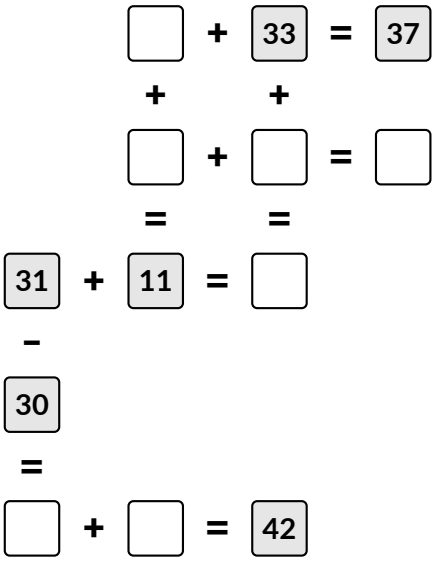
How to Solve Math Crosswords

A math crossword is a crossword made of numbers. Every row and every column is a little equation, and the equations cross each other, so one number can belong to two equations at once.

The rules

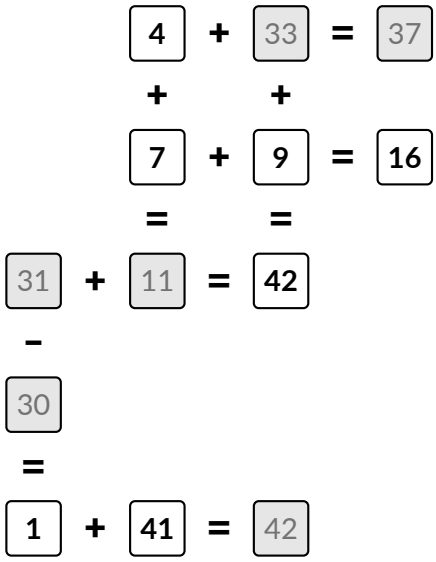
- ✓ Fill every empty square with a number so that every equation is true, across and down.
- ✓ Read rows from left to right and columns from top to bottom.
- ✓ Order of operations: work × and ÷ before + and −, then go from left to right. So 4 + 3 × 2 = 10, not 14.
- ✓ With a NUMBER BANK, use each number in the bank exactly once. Cross it off as you go.
- ✓ With no number bank, every missing number is a whole number from 1 to 99 (the range is printed under each puzzle).

Example



Number bank: 1 4 7 9 16 41 42

Solution



Sample pages

Where to start

- ✓ Start with an equation that is missing only one number. If the missing number is the answer, just work it out.
- ✓ If the missing number comes before the equals sign, work backwards: 15 + ? = 23 means ? = 23 − 15 = 8.
- ✓ Every number you find is a free clue for the equation that crosses it.
- ✓ Stuck? Find an equation with two missing numbers and list what could fit. The crossing equation usually rules out all but one.

The example, step by step

1. Across: 31 + 11 = ?, so ? = 42
2. Down: 31 − 30 = ?, so ? = 1
3. Across: ? + 33 = 37, so ? = 4
4. Across: 1 + ? = 42, so ? = 41
5. Down: 4 + ? = 11, so ? = 7
6. Down: 33 + ? = 42, so ? = 9
7. Across: 7 + 9 = ?, so ? = 16

Order of operations in this book

× and ÷ first, then + and −, each from left to right.

4 + 3 × 2 = 10	work it as 4 + (3 × 2)
20 − 12 ÷ 4 = 17	work it as 20 − (12 ÷ 4)
3 × 5 − 2 = 13	work it as (3 × 5) − 2
18 ÷ 6 + 2 = 5	work it as (18 ÷ 6) + 2

Every puzzle has exactly one solution. The solutions start on page 111.

Sample pages

How the Puzzles Are Graded

Every puzzle was solved by a program that works like a person: it always takes the easiest step it can see and never guesses. A puzzle's level is set by the hardest step it needs and by the operations it uses, so the levels really do climb. A second, separately written checker then confirmed that every puzzle has exactly one solution.

★☆☆☆ **Easy**	Uses + and −. Grids up to 9 x 9 squares, number bank printed. Hardest step: work backwards (missing numbers before the equals sign).
★★☆☆ **Medium**	Uses +, − and ×. Grids up to 11 x 11 squares, number bank printed. Hardest step: work backwards (missing numbers before the equals sign).
★★★☆ **Hard**	Uses +, −, × and ÷. Grids up to 13 x 13 squares, number bank printed, some three-number equations. Hardest step: chain (chains of crossing equations).
★★★★ **Expert**	Uses +, −, × and ÷. Grids up to 13 x 13 squares, no number bank (numbers 1 to 99), some three-number equations. Hardest step: narrow it down or chain (chains of crossing equations).

The solving steps

Work it out

An equation is missing only its answer: do the sum.

Work backwards

An equation is missing a number before the equals sign: undo the sum (15 + ? = 23, so ? = 8).

Narrow it down

An equation is missing two numbers. List the pairs that could work, from the bank or the range, and let the crossing equation pick the right one.

Chain

No single equation is enough: carry your short lists of possible numbers from one crossing equation to the next until one square has only one choice.

Sample pages

EASY



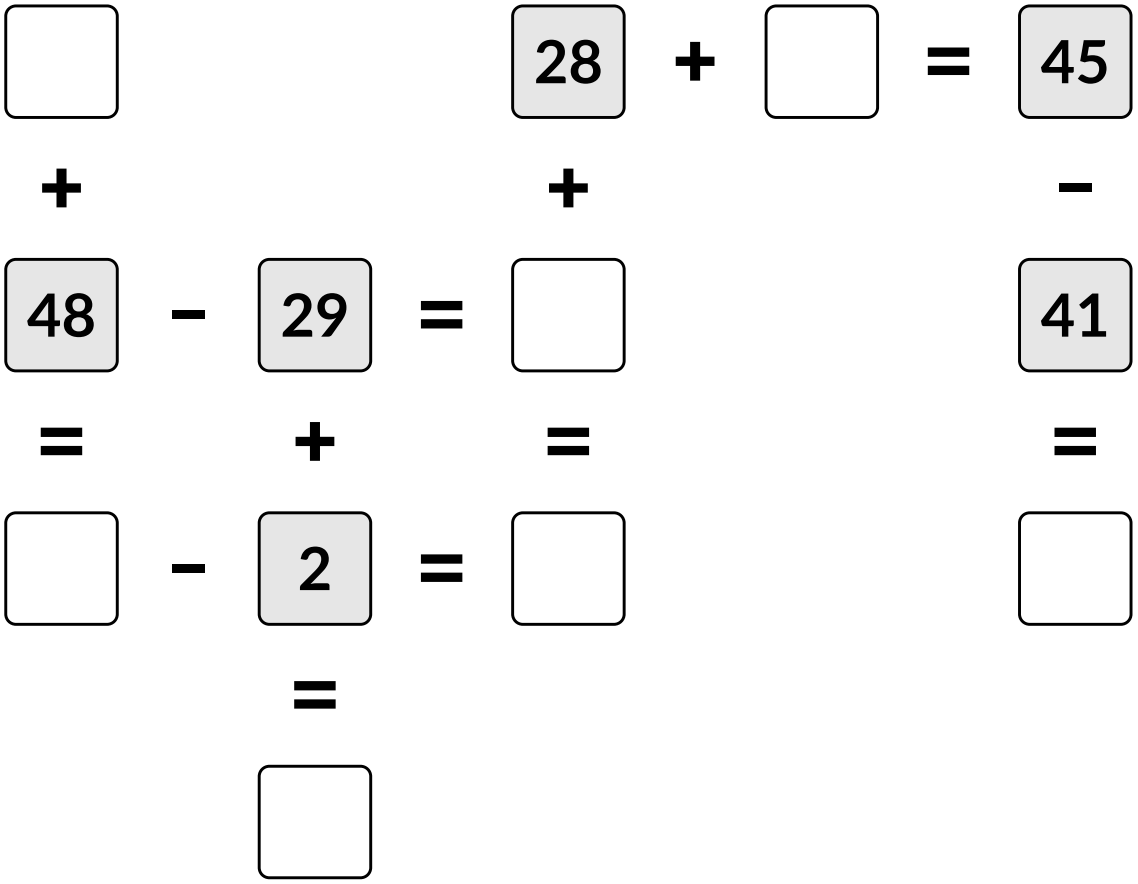
Puzzles 1 to 25

Work forwards and backwards through every equation. Number bank included.

Sample pages

Puzzle 1 ★☆☆☆ EASY

Time: _____



NUMBER BANK

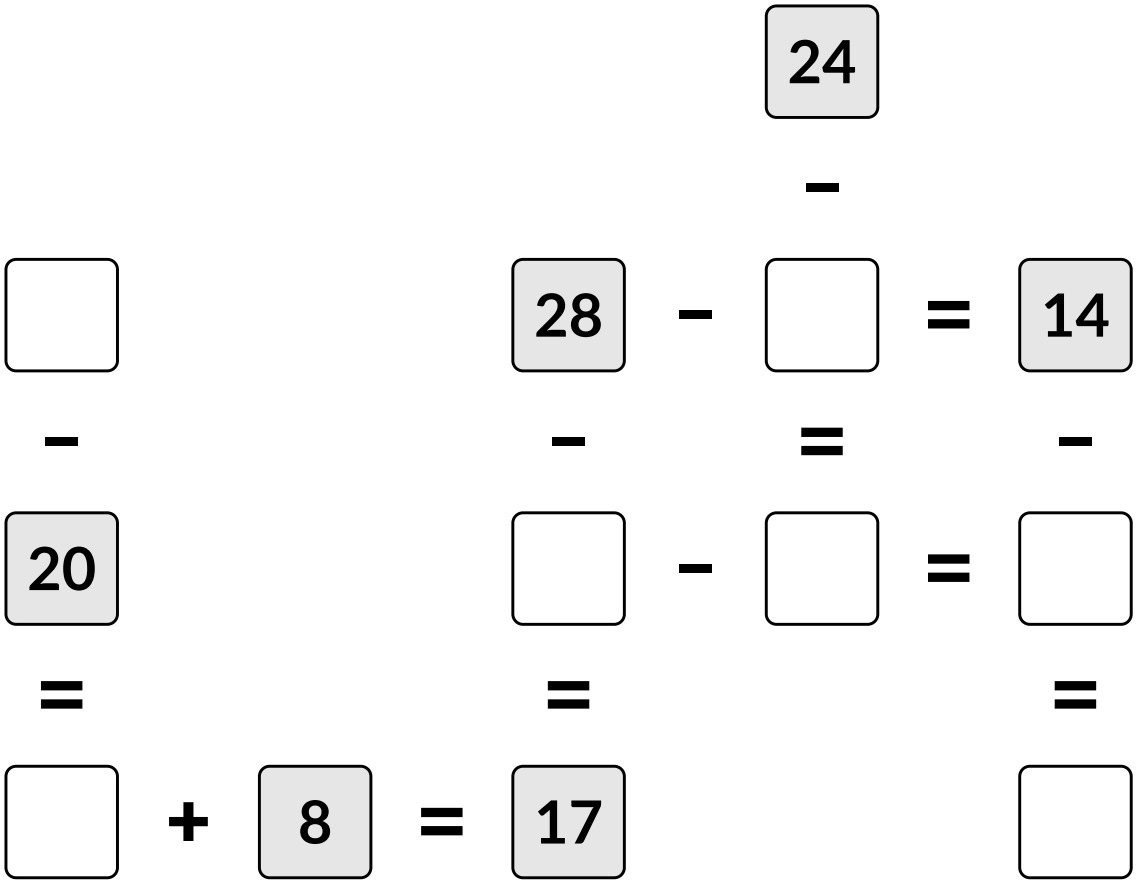
1 4 17 19 31 47 49

Every row and column must be true. Do × and ÷ before + and −.

Sample pages

Puzzle 2 ★☆☆☆ EASY

Time: _____



NUMBER BANK

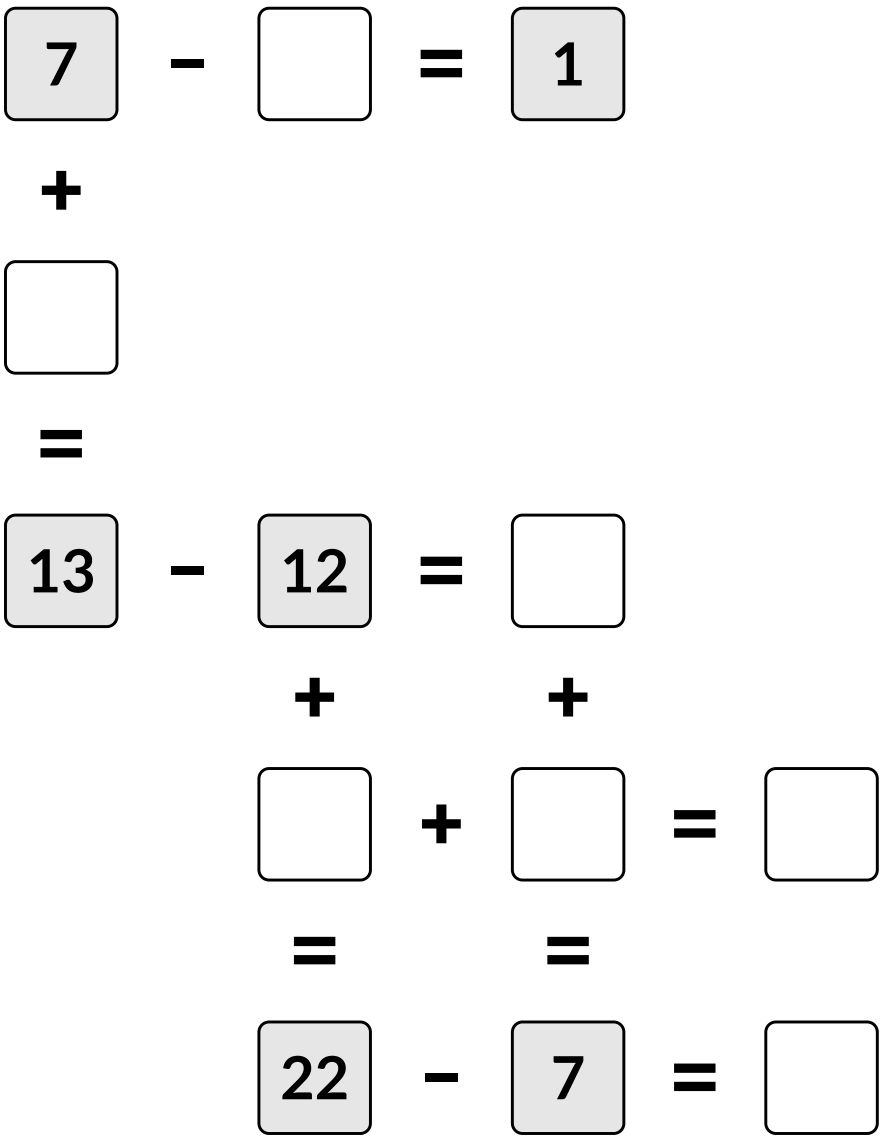
1	9	10	11	13	14	29

Every row and column must be true. Do × and ÷ before + and −.

Sample pages

Puzzle 3 ★☆☆☆ EASY

Time: _____



NUMBER BANK

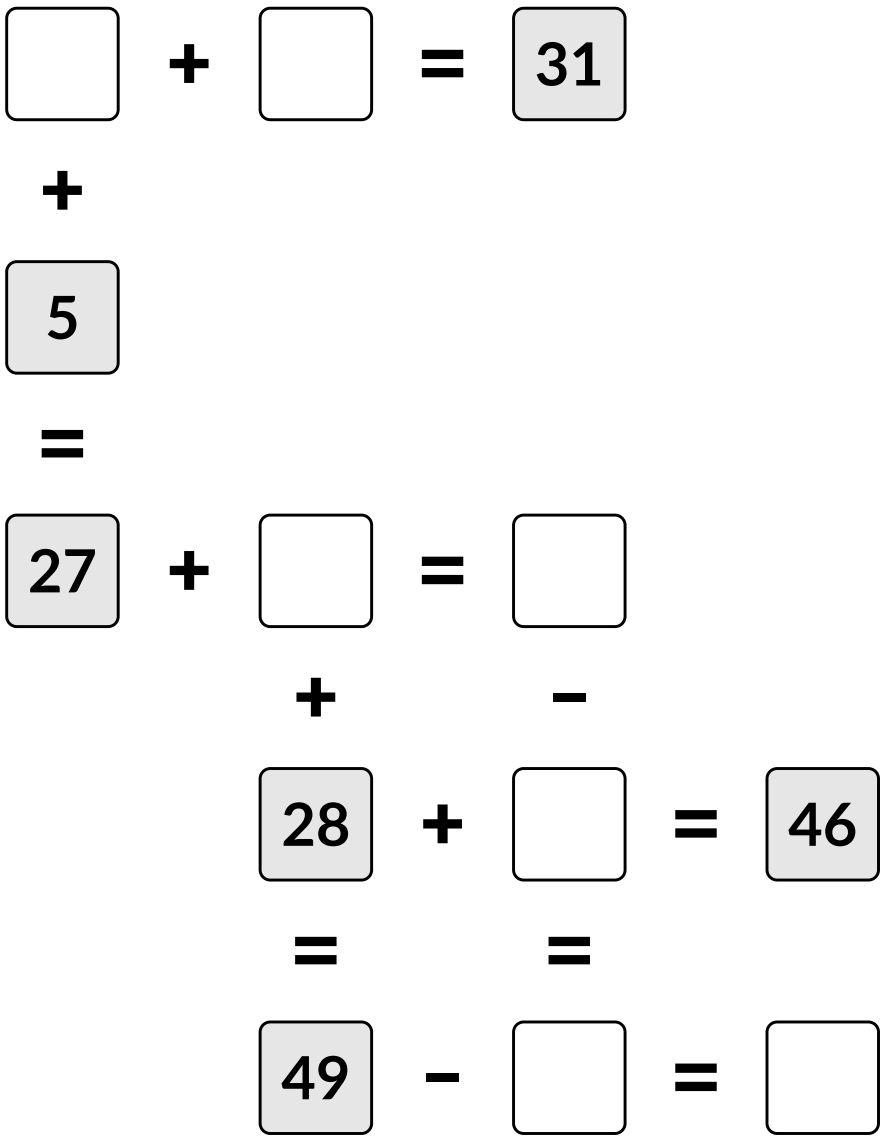
1	6	6	6	10	15	16

Every row and column must be true. Do × and ÷ before + and −.

Sample pages

Puzzle 4 ★☆☆☆ EASY

Time: _____



NUMBER BANK

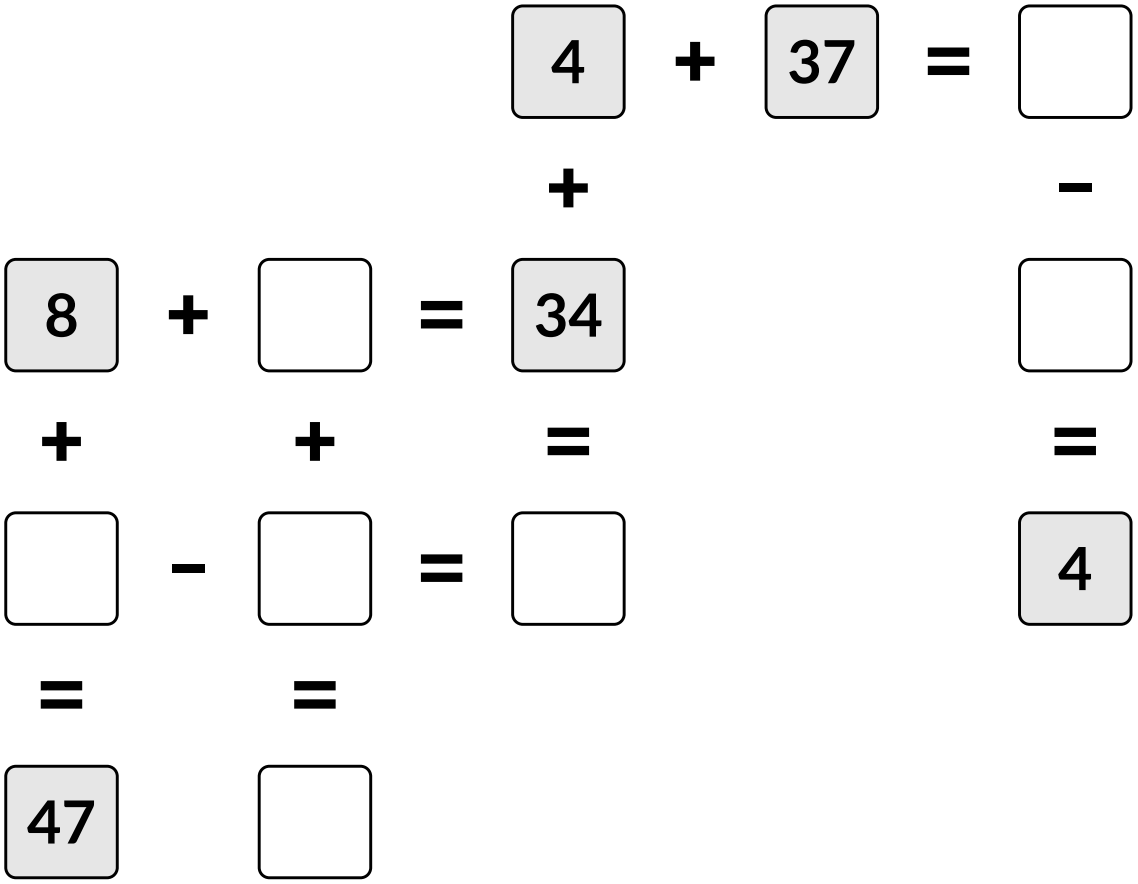
9	18	19	21	22	30	48

Every row and column must be true. Do × and ÷ before + and −.

Sample pages

Puzzle 5 ★☆☆☆ EASY

Time: _____



NUMBER BANK

1 26 27 37 38 39 41

Every row and column must be true. Do × and ÷ before + and −.

Sample pages