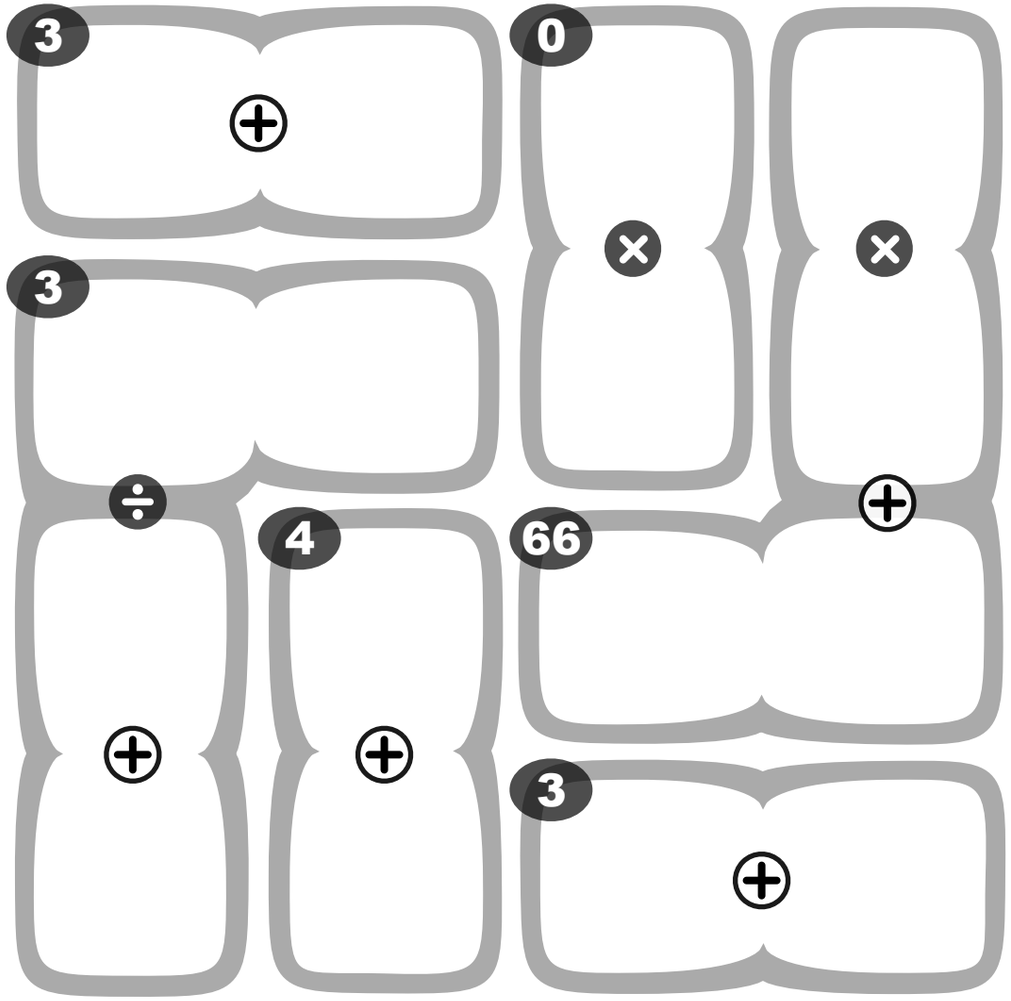
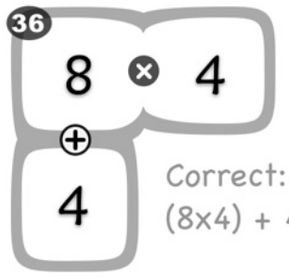
cartouche puzzles

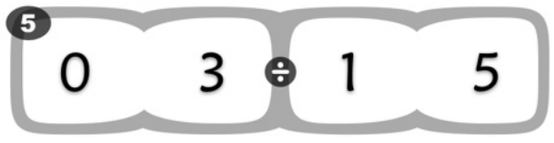
In each of these puzzles choose four digits from 0 through 9. Place one of these in each row and column. Use the operators in the white regions first, then between white regions. If there is no operator, the digits form a single number. The operator ⊖ takes the difference of the two numbers. The operator ÷ divides the bigger number by the smaller number.



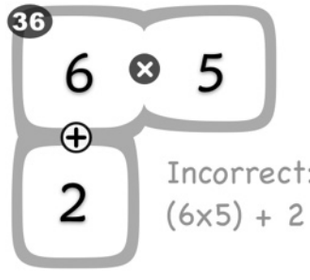
Sample Puzzle



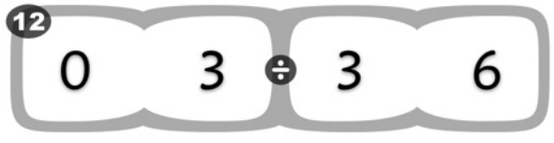
Correct:
(8x4) + 4 = 36



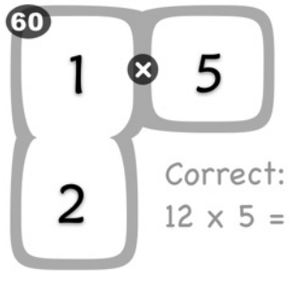
Correct:
15 ÷ 3 = 5



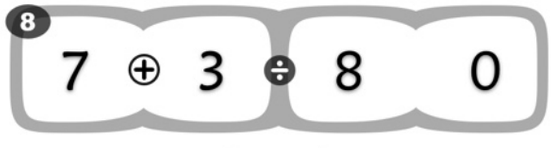
Incorrect:
(6x5) + 2 ≠ 36



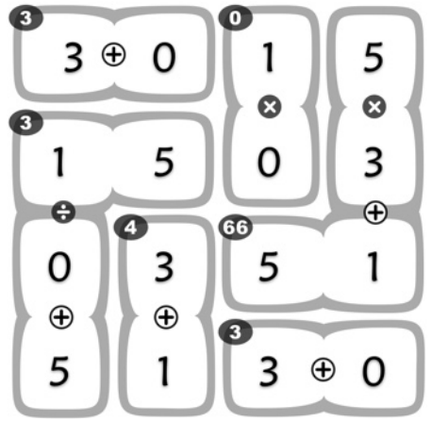
Incorrect:
36 ÷ 3 = 12
but the row contains duplicate 3s.



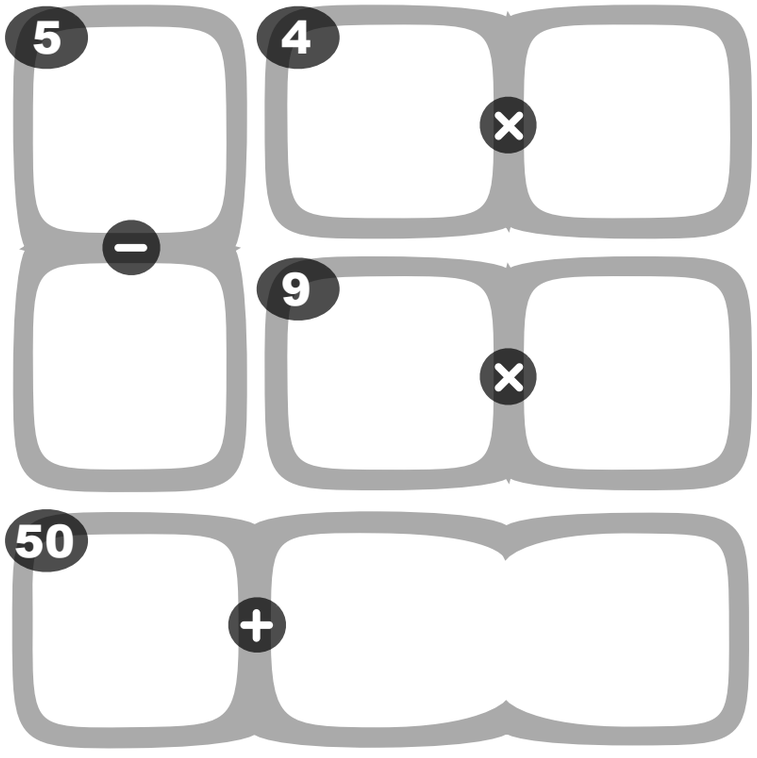
Correct:
12 x 5 = 60

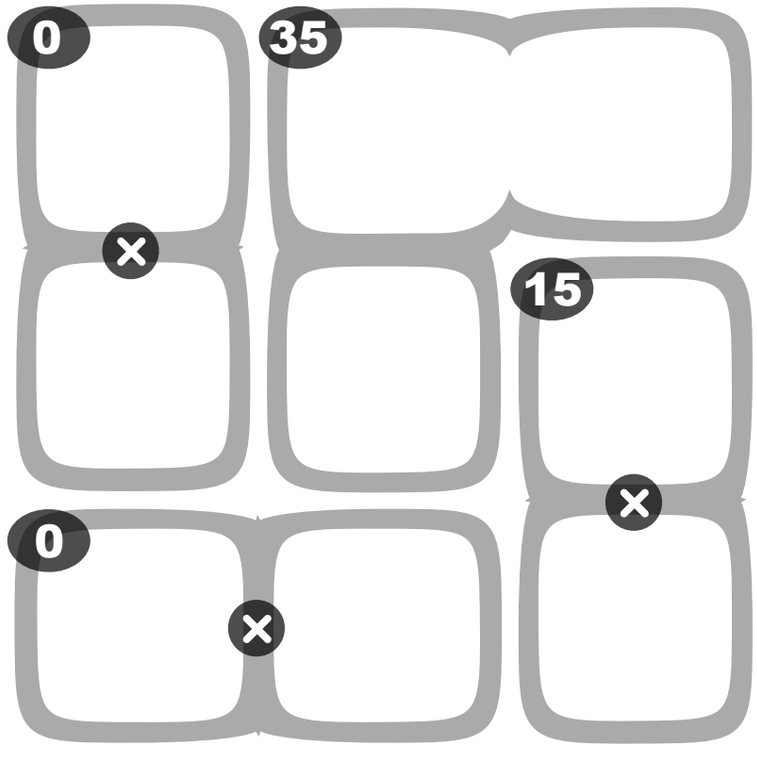


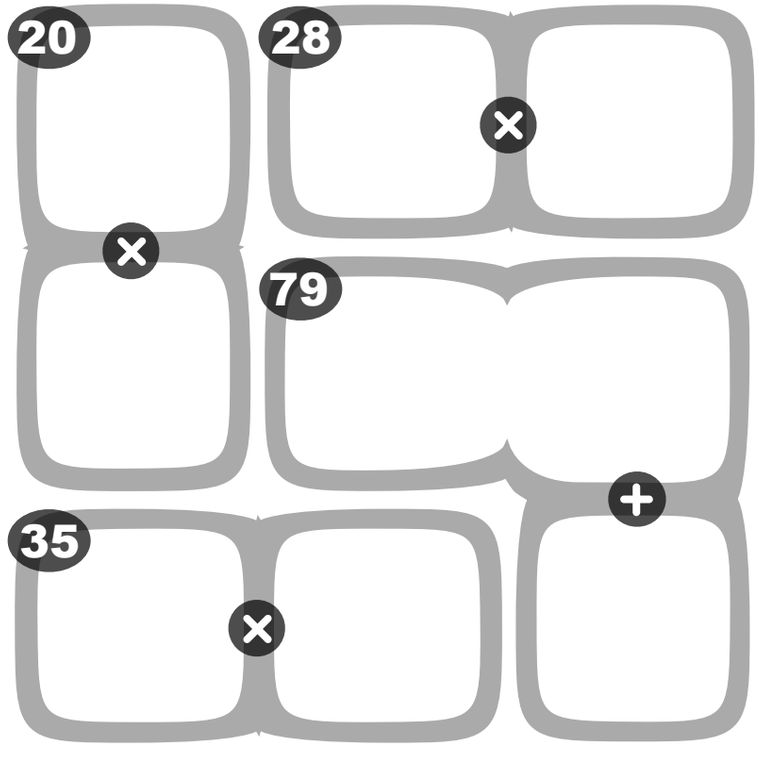
Correct:
80 ÷ (7+3) = 8

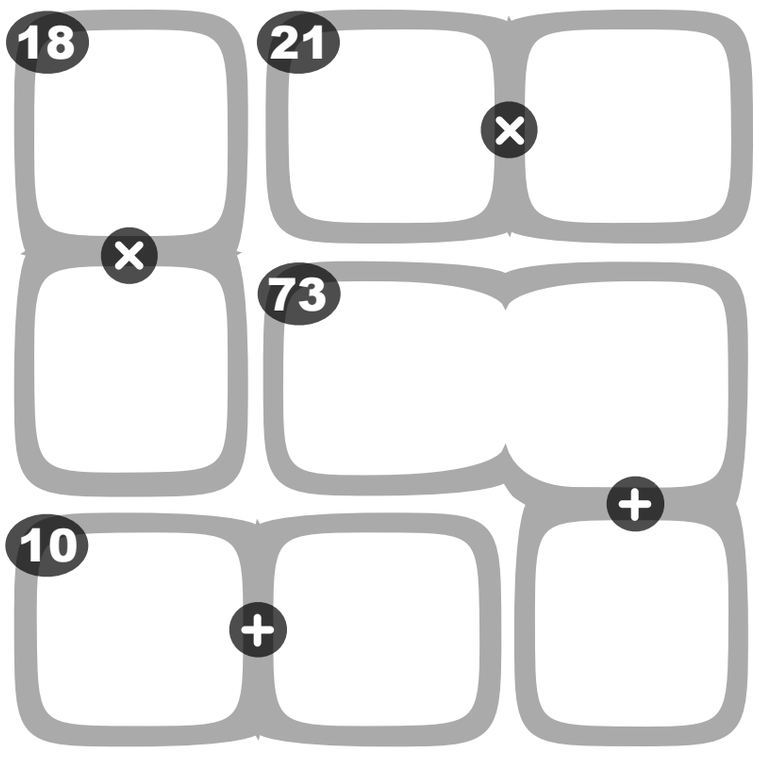


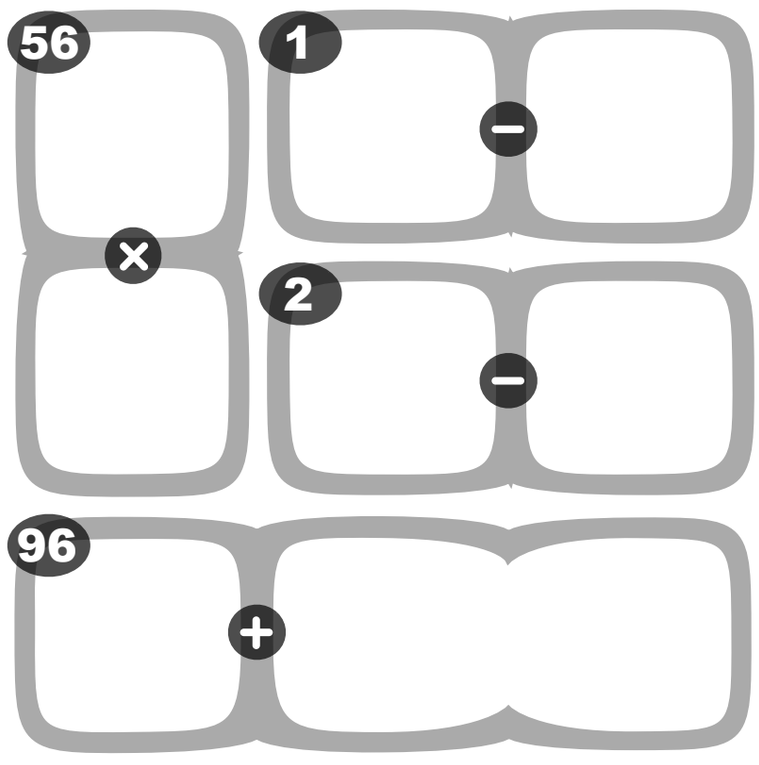
Solution

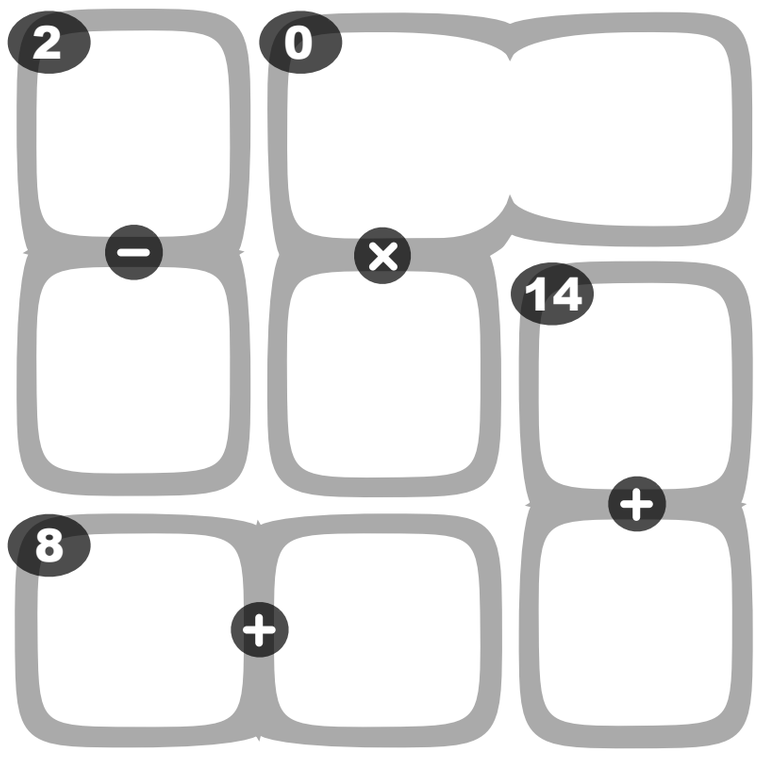

5
4
9
50

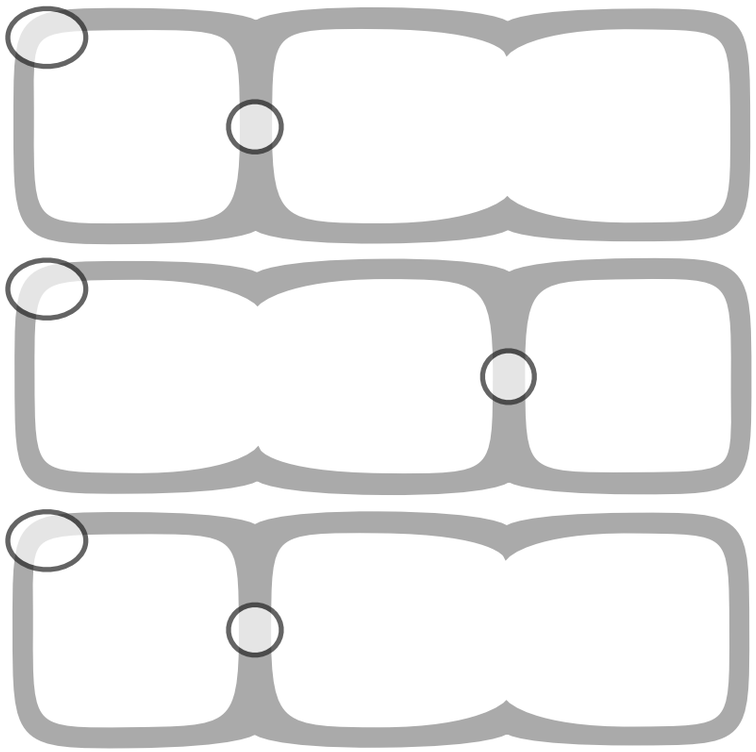

0
35
15
0

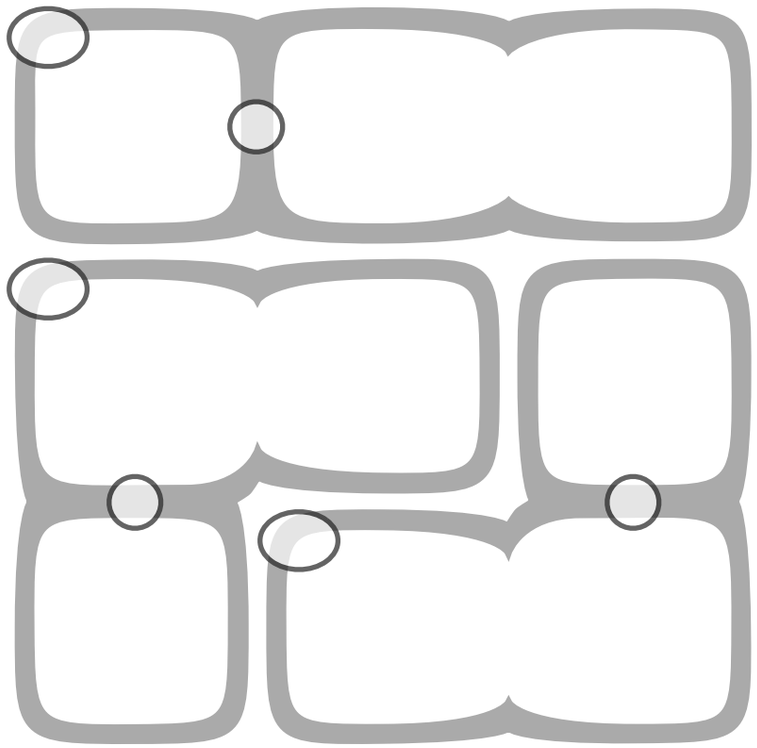

20
28
79
35

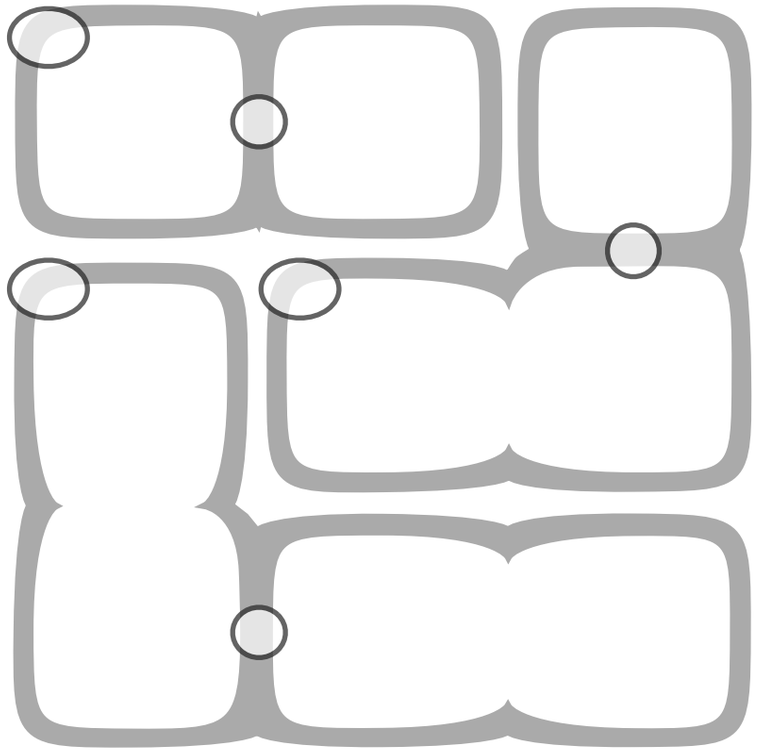

18
21
73
10


56
1
2
96

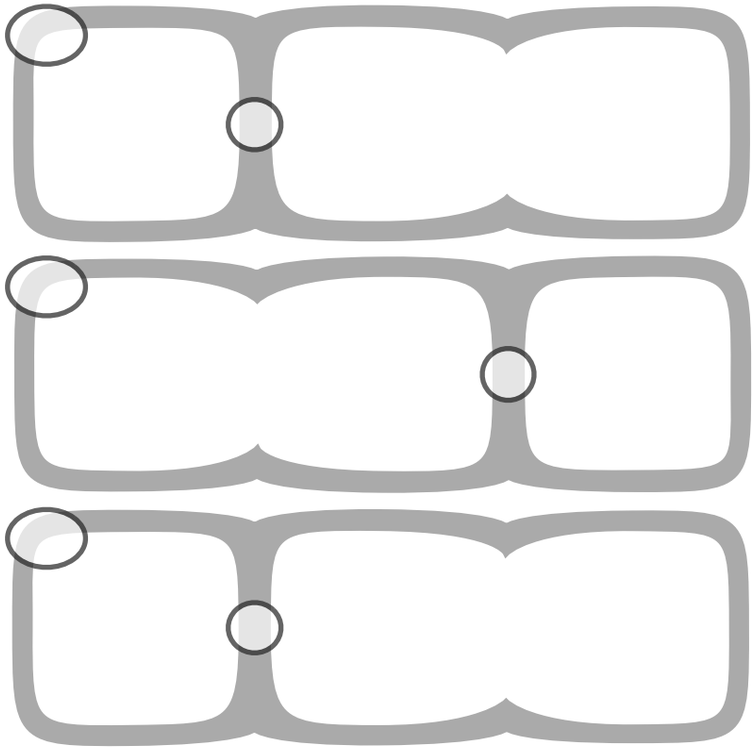

2
0
14
8

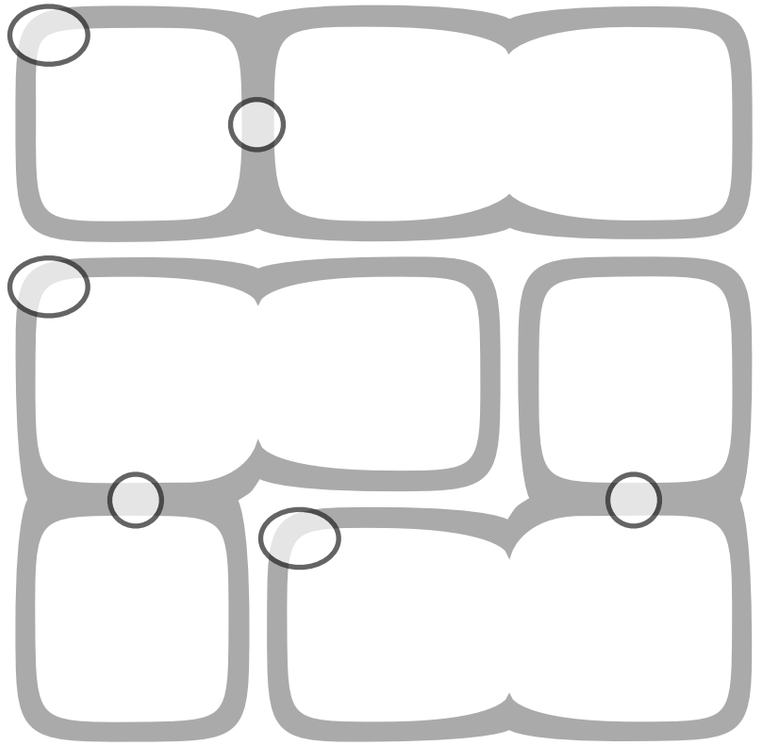


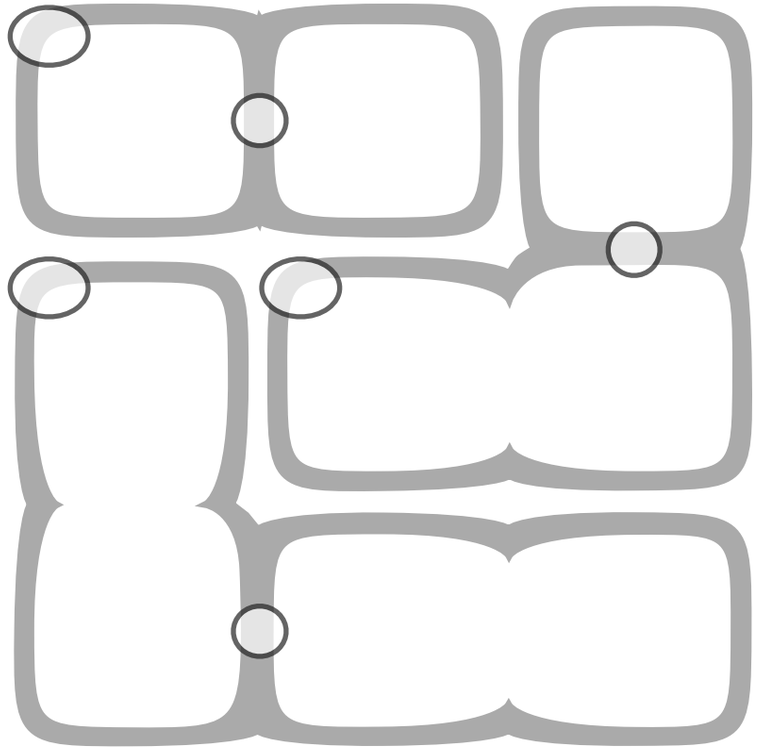


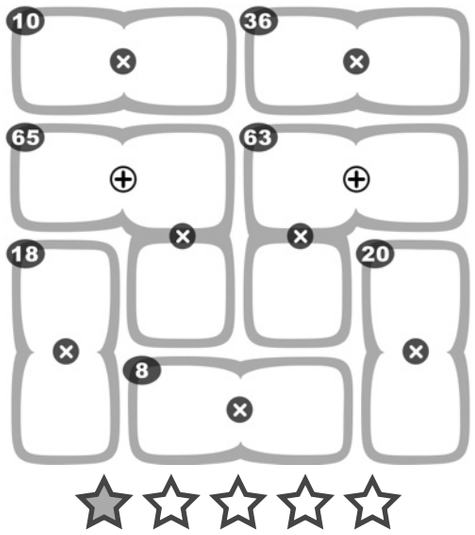


Make a puzzle above. Copy the operators and target numbers below. Give it to a friend or enemy.

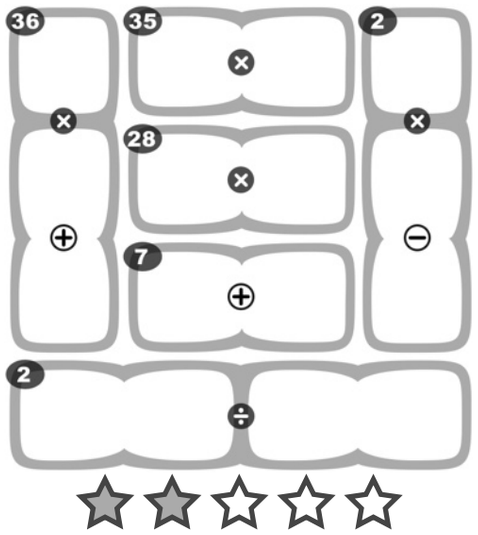


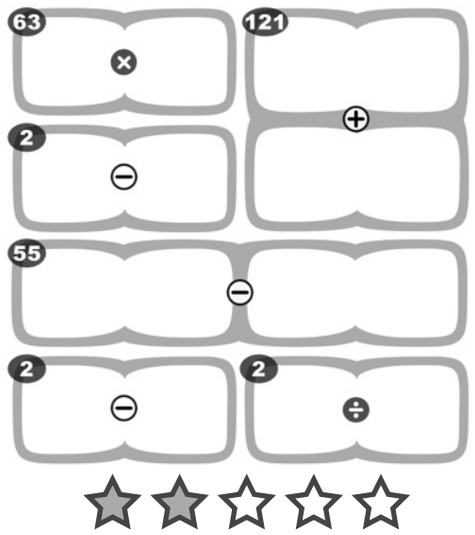




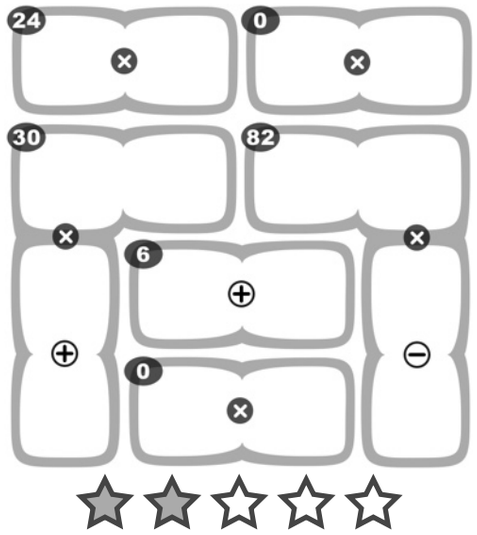


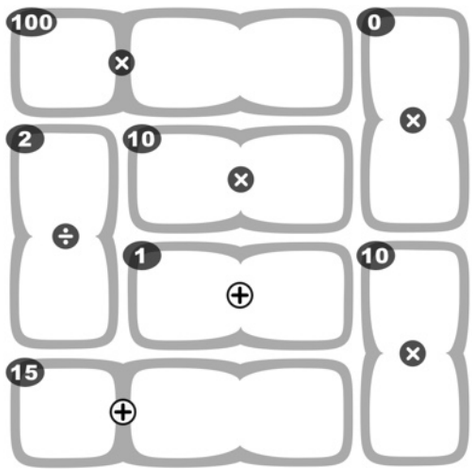
digits: 2, 4, 5, 9



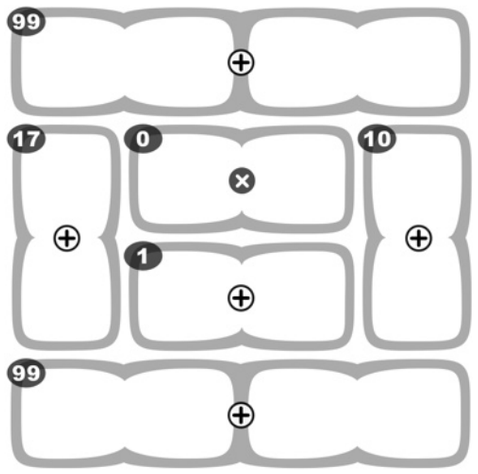


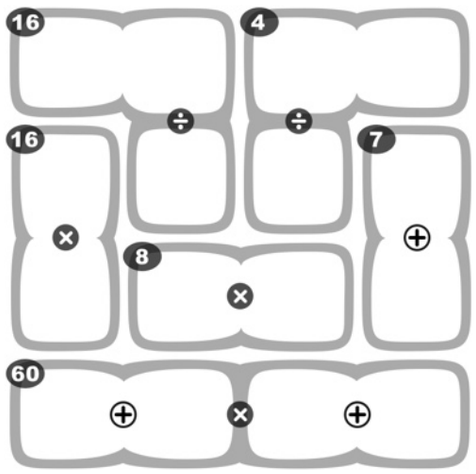
by Tyler 4 solutions

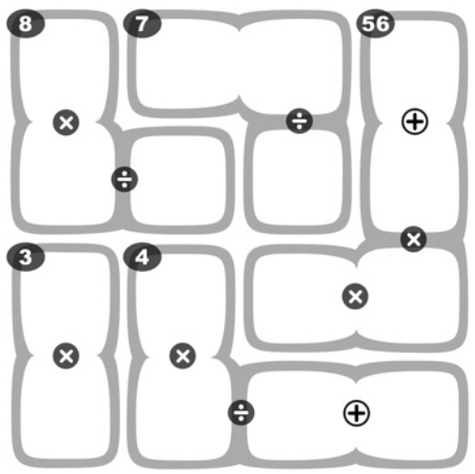




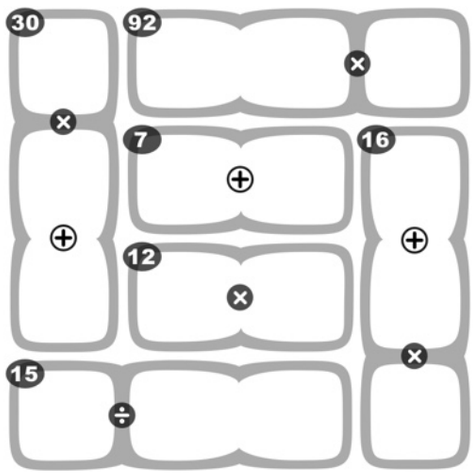
digits: 0, 1, 2, 5



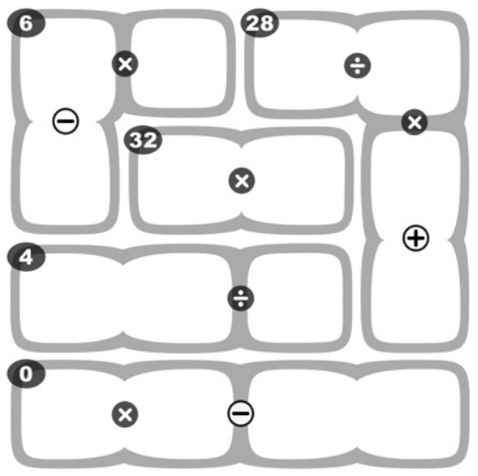




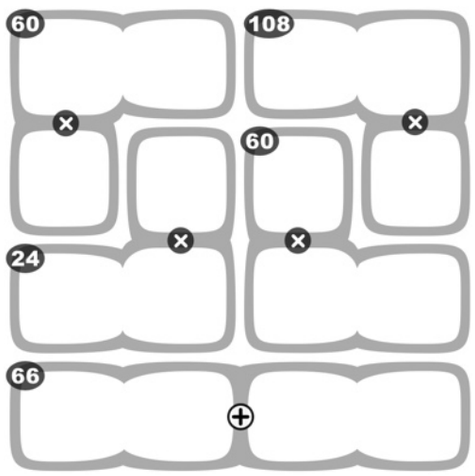
by Danielle

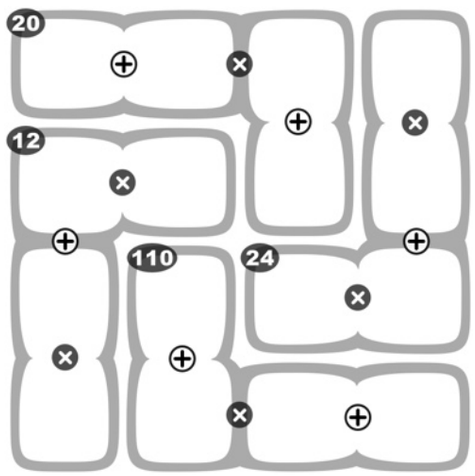


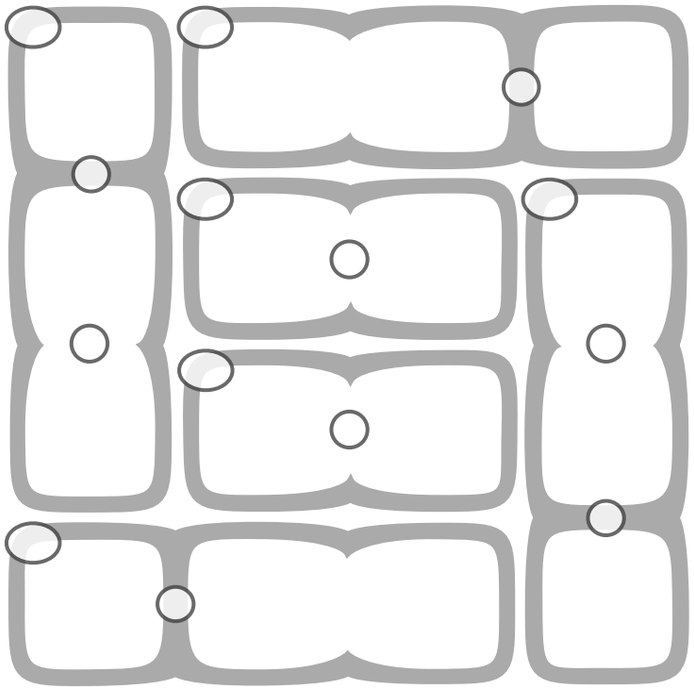
digits: 2, 3, 4, 5

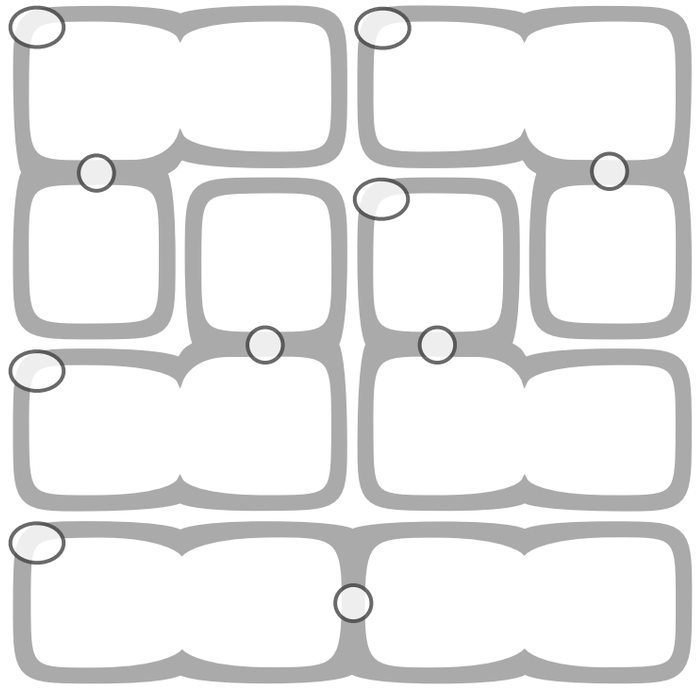


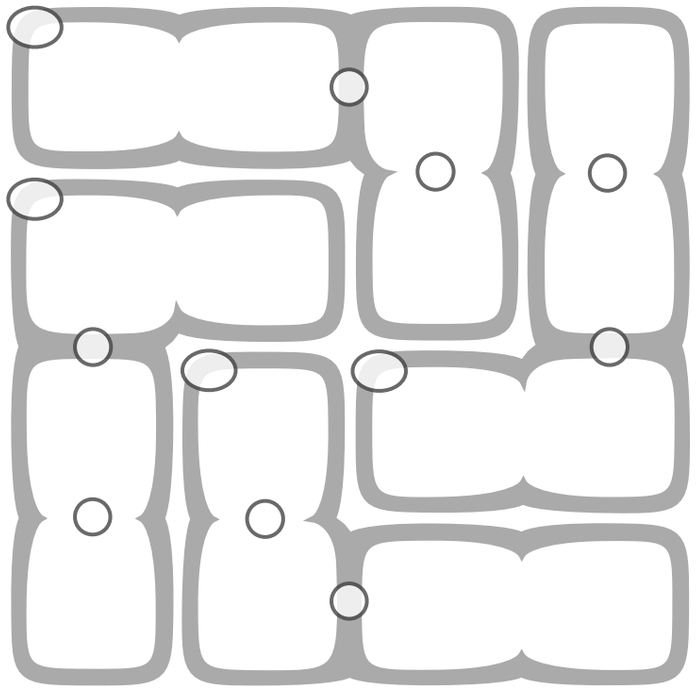
by Lily











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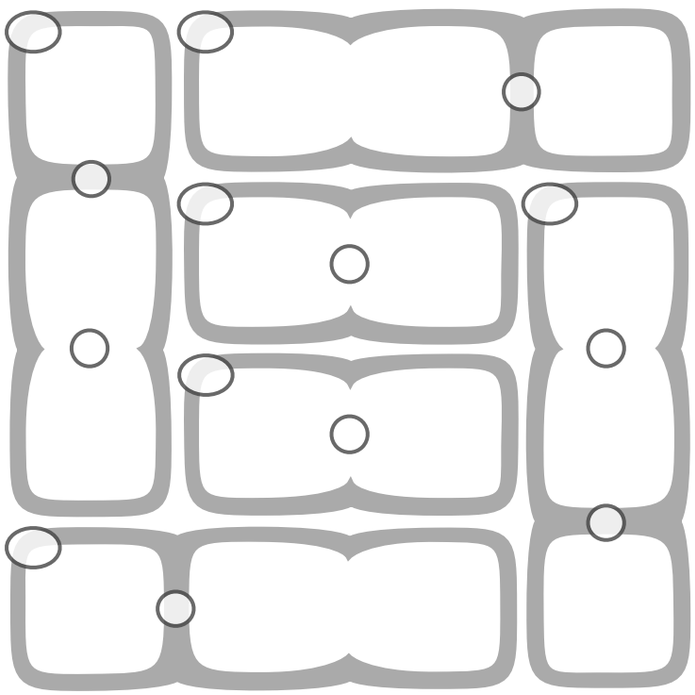
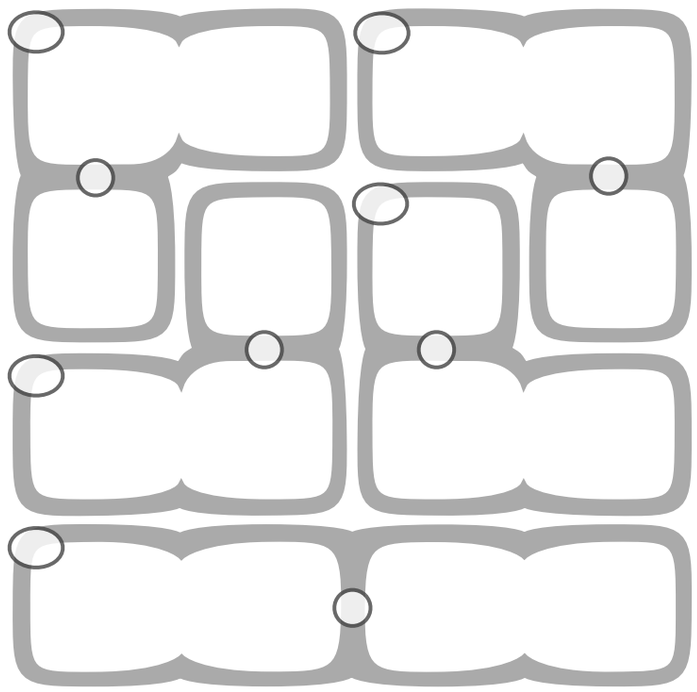
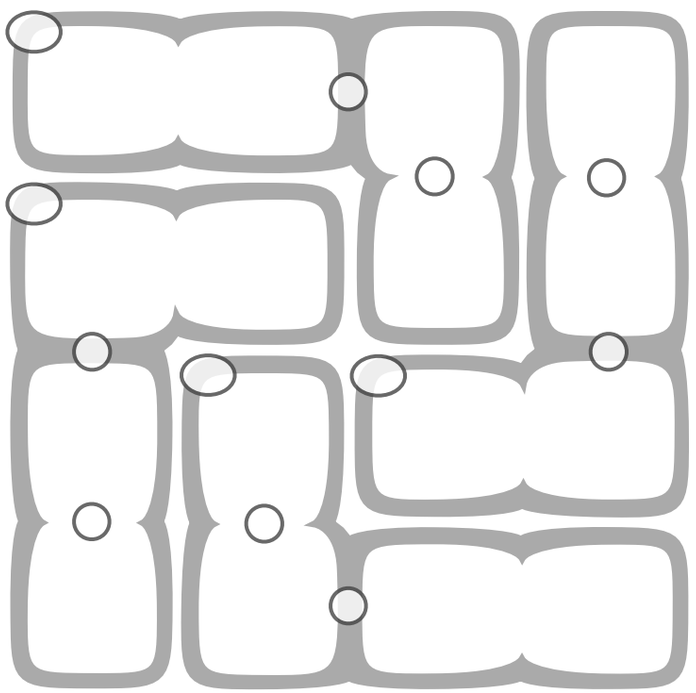
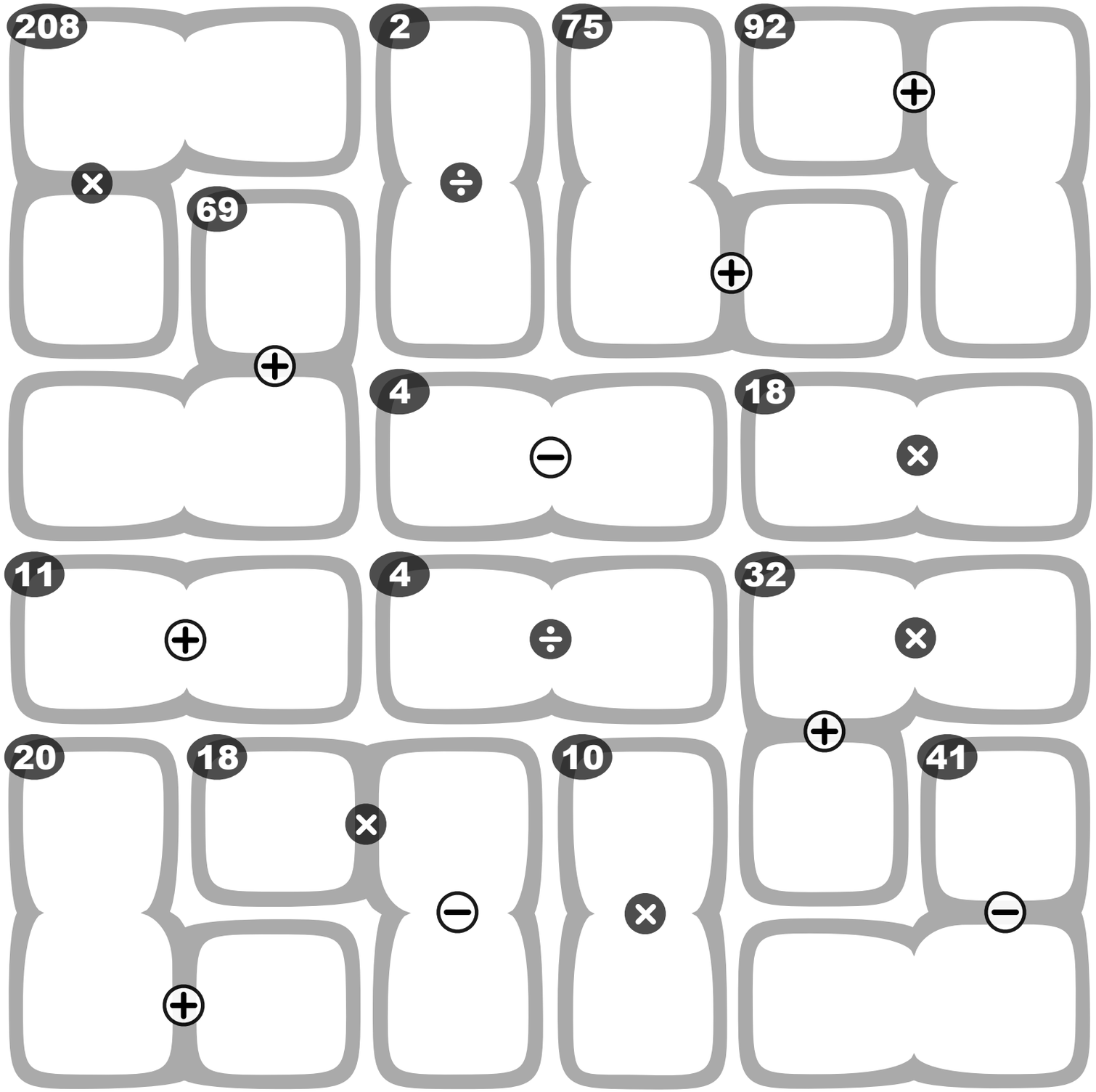


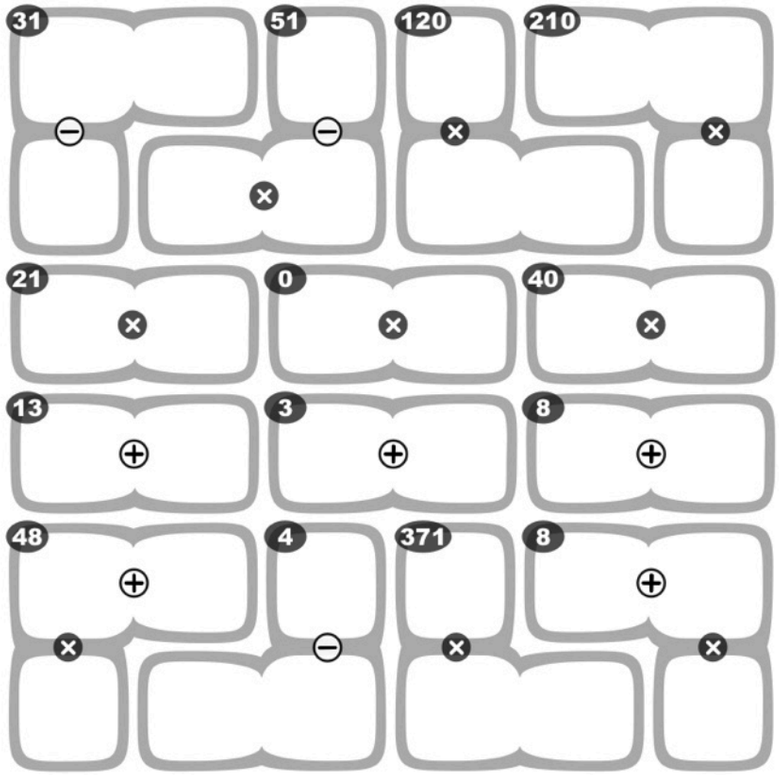




Choose six digits from 0 through 9.

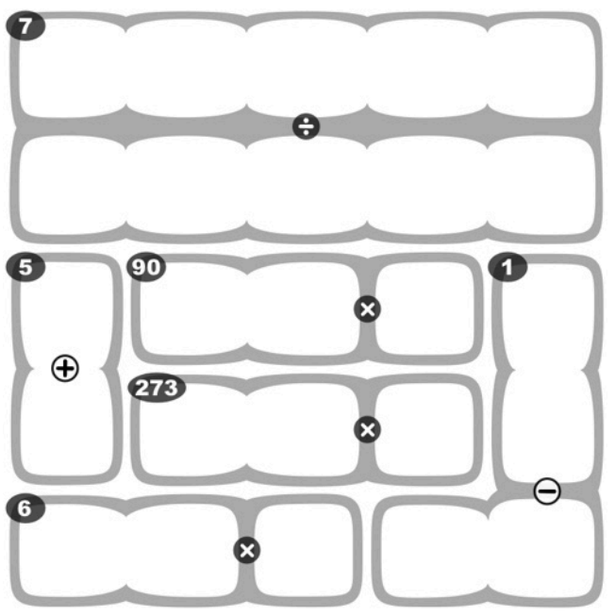


by William and Simon



by Genevieve, Rhys, Elias & Saskia

Choose five digits from 0 through 9.



by Dr. Pickle

5 9 − 4

4 1 × 4

9 9 × 1

50 1 + 4 9

0 5 × 0

35 3 0

0 5

15 3 × 5

0 3 × 0

20 5 × 4

28 4 × 7

79 7 5

35 7 × 5 4 +

18 6 × 3

21 7 × 3

73 6 7 +

10 7 + 3 6

56 7 × 8

1 9 − 8

2 7 − 9

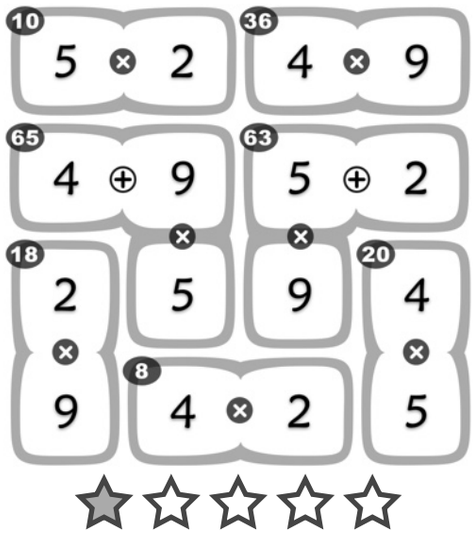
96 9 + 8 7

2 8 − 6

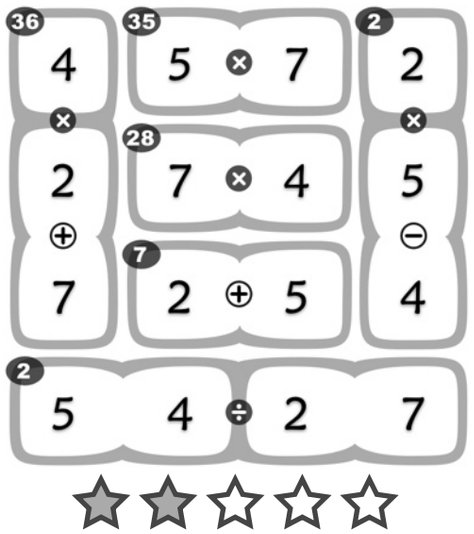
0 6 × 0

14 8 +

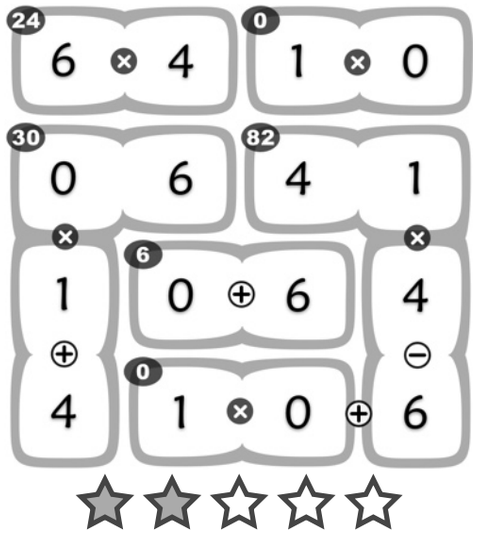
8 0 + 8 6

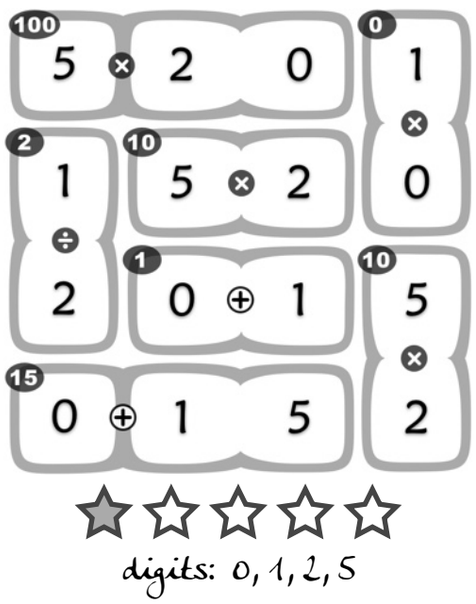


digits: 2, 4, 5, 9

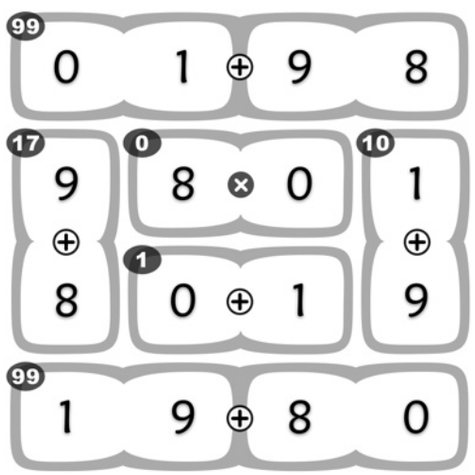


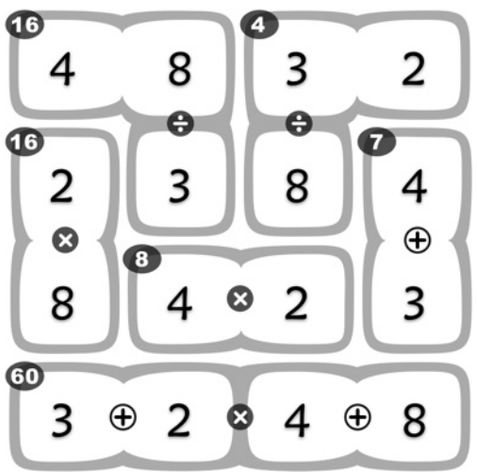
by Tyler 1 of 4 solutions

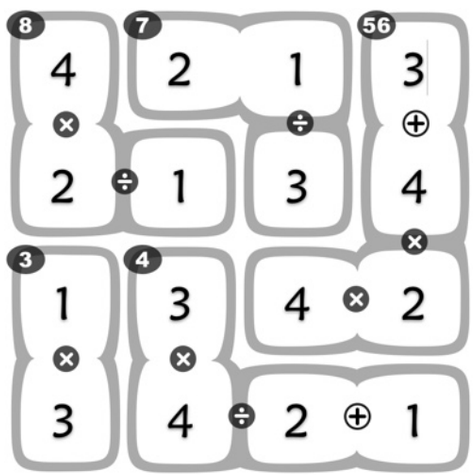




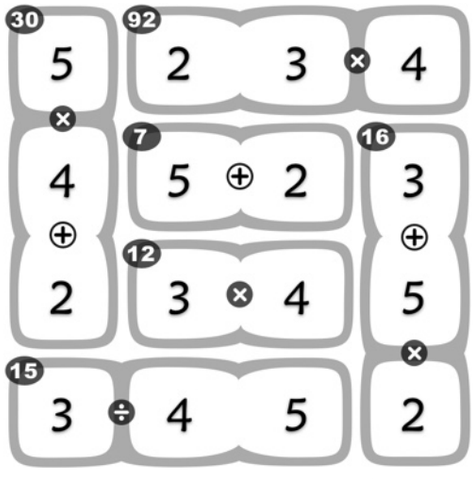
digits: 0, 1, 2, 5



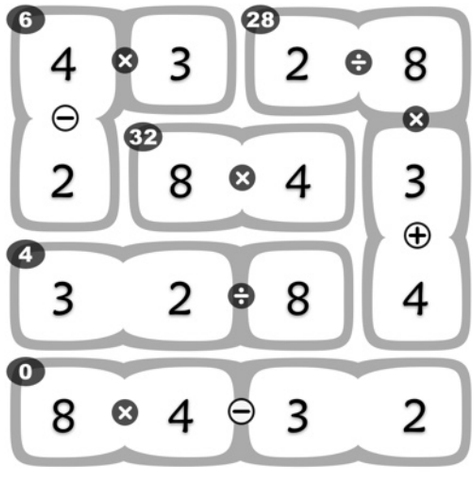




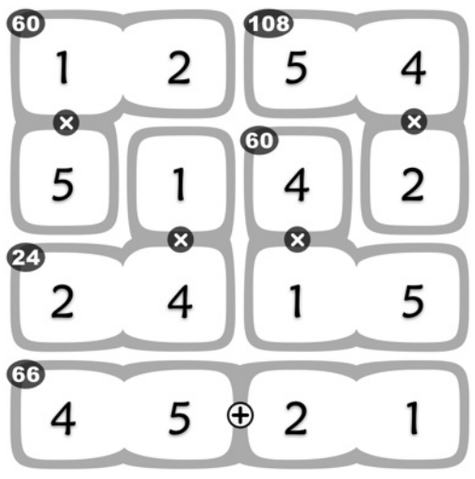
by Danielle

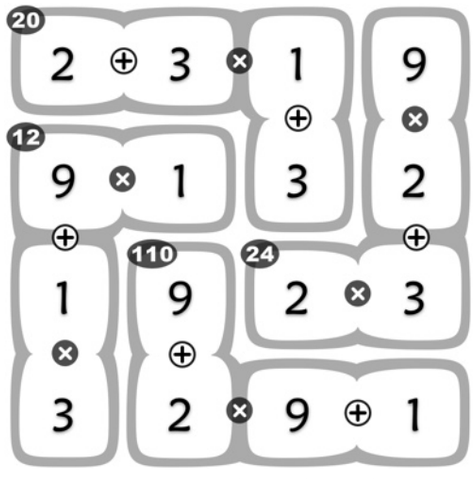


digits: 2, 3, 4, 5

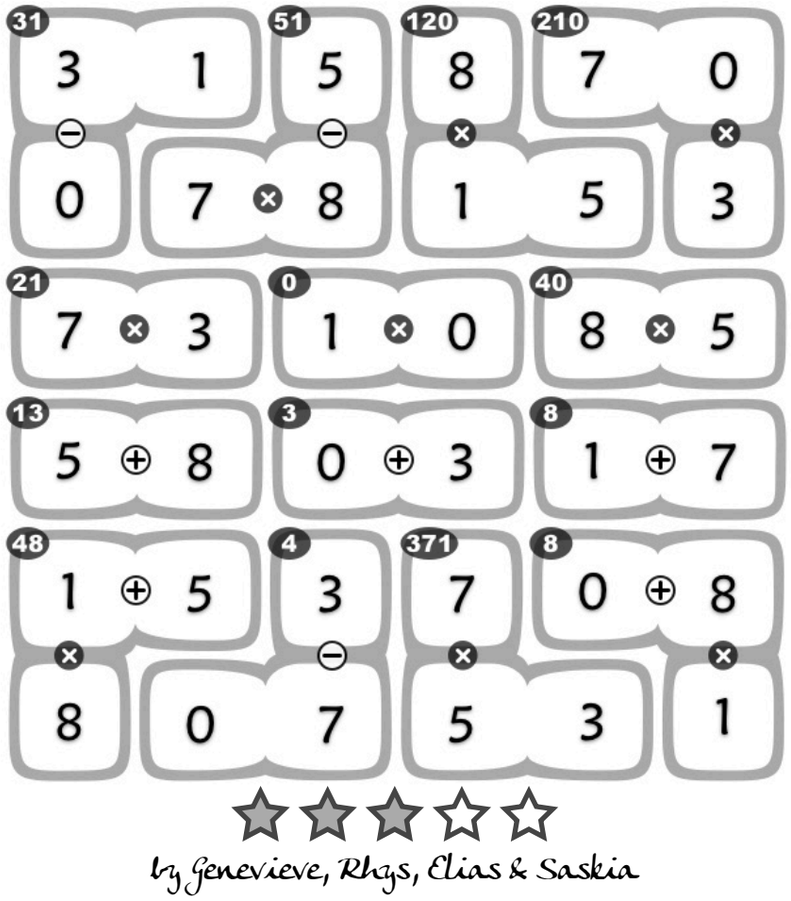


by Lily

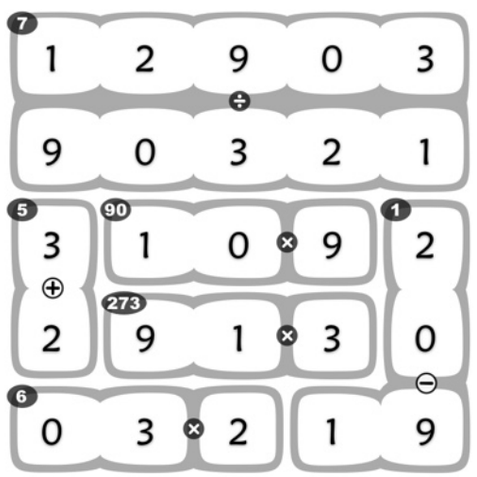




by William and Simon



by Genevieve, Rhys, Elias & Saskia



flip the upper two rows for the 2nd solution