

Killer Special

booklet

Special triple 45th round of Krtek's Cup.

Going on from May 3 to June 20, 2011.

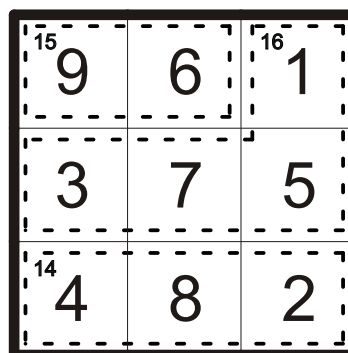
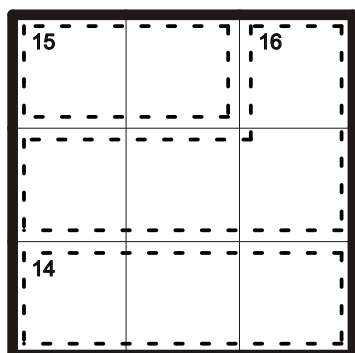
Be careful, these puzzles are Killers! ;-)

Special thanks to Ales for his patience with preparation of puzzles for web and to Betty who inspired me for several types.

Krtek

1. Killer sudoku

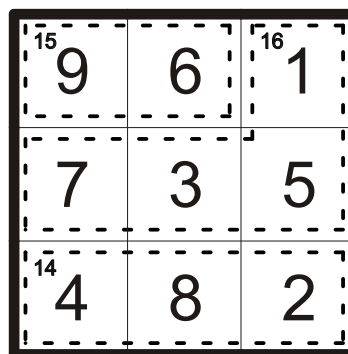
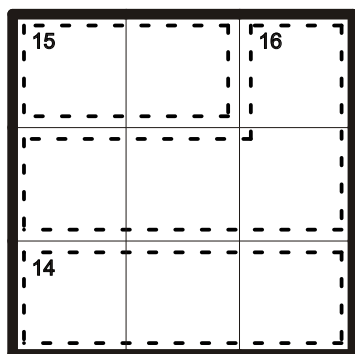
Fill in the grid with numbers from 1 to 9 following classic sudoku rules. Value in corner of each cage gives the sum of numbers in the cage. Numbers in one cage should be different.



2. Nonconsecutive killer

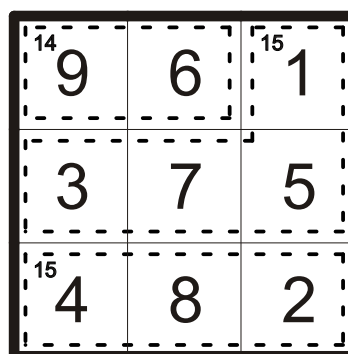
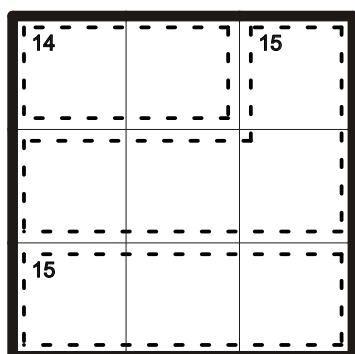
Fill in the grid with numbers from 1 to 9 following classic sudoku rules. Moreover consecutive numbers should not be in cells sharing an edge. Value in corner of each cage gives the sum of numbers in the cage. Numbers in one cage should be different.

Value in corner of each cage gives the sum of numbers in the cage. Numbers in one cage should be different.



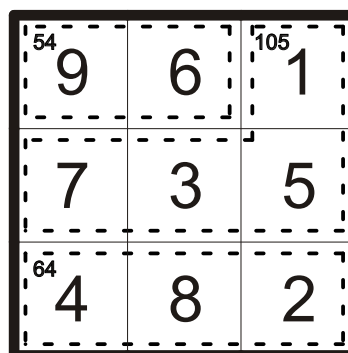
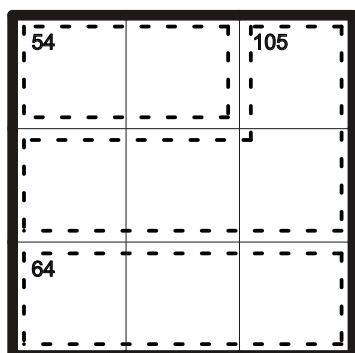
3. Wrong killer

Fill in the grid with numbers from 1 to 9 following classic sudoku rules.
 Given value in corner of the cage differs by one from the sum of numbers in the cage.
 Numbers in one cage should be different.



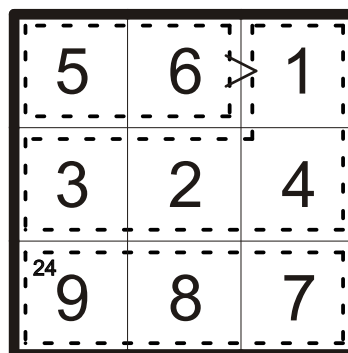
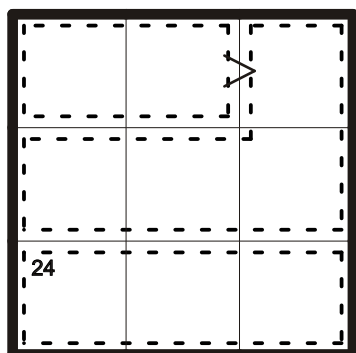
4. Product killer

Fill in the grid with numbers from 1 to 9 following classic sudoku rules.
 Given value in corner of the cage is the product of numbers in the cage.
 Numbers in one cage should be different.



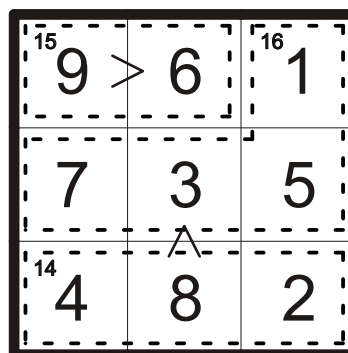
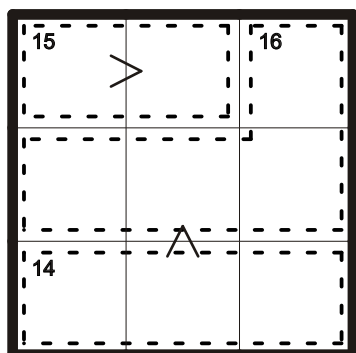
5. Greater than Killer

Fill in the grid with numbers from 1 to 9 following classic sudoku rules. Given value in corner of the cage is the sum of numbers in the cage. Numbers in one cage should be different. Inequality (and equality) signs show comparison between cages with sums not given.



6. Greater Than and Killer

Fill in the grid with numbers from 1 to 9 following classic sudoku rules. Given value in corner of the cage is the sum of numbers in the cage. Numbers in one cage should be different. Number should follow given inequality signs too.



7. Math killer

Fill in the grid with numbers from 1 to 9 following classic sudoku rules. Value in corner of each cage gives result of addition, multiplication, subtraction or division applied on numbers in the cage. (Subtraction and division are possible only for two-cell-cages.) Numbers in one cage should be different.

3		16
64		

3		16
9	6	1
3	7	5
64		

8. Plus-minus killer

Fill in the grid with numbers from 1 to 9 following classic sudoku rules. Numbers in coloured cells are counted as negative. Value in corner of each cage gives the sum of numbers in the cage. Numbers in one cage should be different.

3		-8
-2		

3		-8
9	6	1
7	3	5
-2		

9. Windoku killer

Fill in the grid with numbers from 1 to 9 following classic sudoku rules. Moreover numbers 1 to 9 appear exactly once in four marked extraregions.

Value in corner of each cage gives the sum of numbers in the cage. Numbers in one cage should be different.

15		13	13
17			
12		11	

15	9	6	13	5	2
	4	1		3	6
17	2	8		7	5
12	8	4	11	2	9

10. Antiknight killer

Fill in the grid with numbers from 1 to 9 following classic sudoku rules. Moreover pairs of cells connected by one chess knight jump should contain different digits.

Value in corner of each cage gives the sum of numbers in the cage. Numbers in one cage should be different.

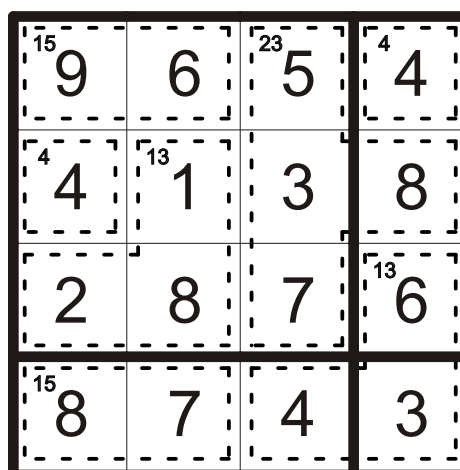
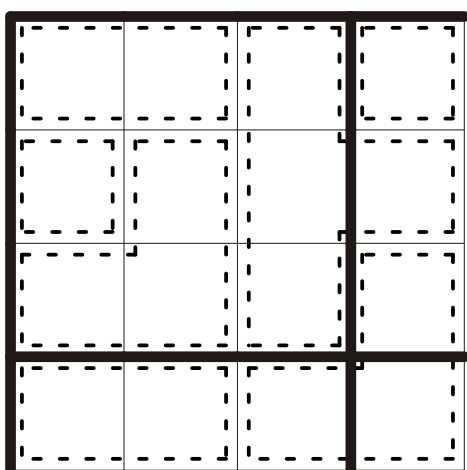
15		13	13
17			
15		10	

15	9	6	13	5	2
	4	1		3	5
17	2	8		7	6
15	8	7	10	9	1

11. Shape killer

Fill in the grid with numbers from 1 to 9 following classic sudoku rules. Numbers in cages of same shape give same sum, numbers in cages of different shape give different sum. Rotated or mirrored shapes are considered as different.

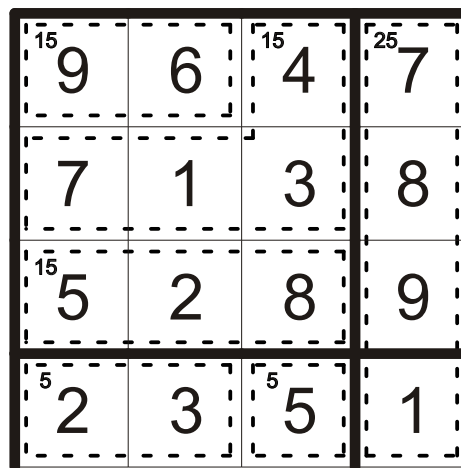
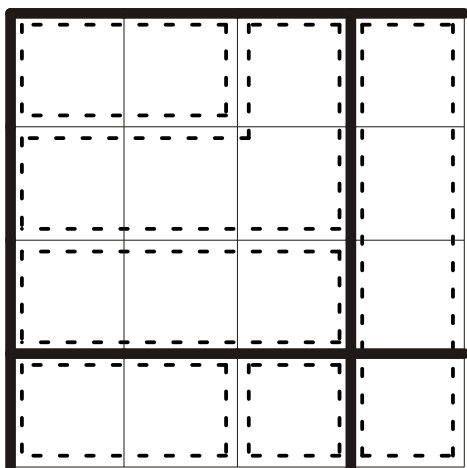
Numbers in one cage should be different.



12. Number 5 still alive!

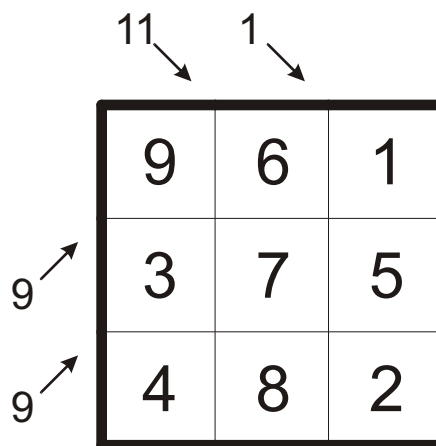
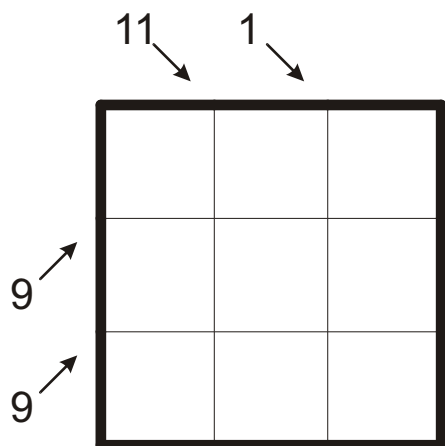
Fill in the grid with numbers from 1 to 9 following classic sudoku rules. Sums in all cages always end with digit five.

Numbers in one cage should be different.



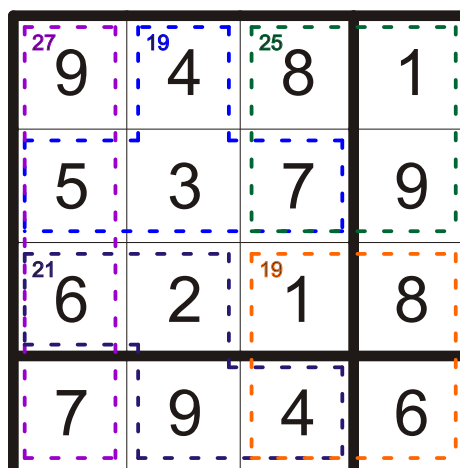
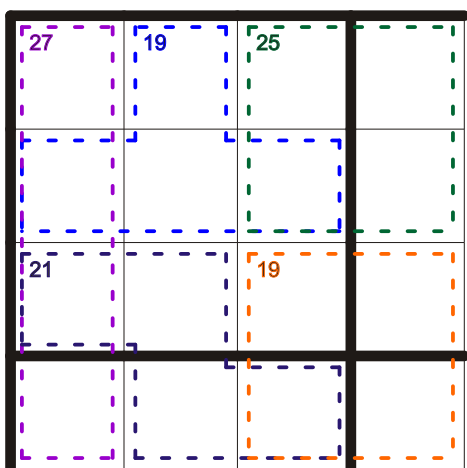
13. Little killer

Fill in the grid with numbers from 1 to 9 following classic sudoku rules. Moreover numbers cannot repeat on both main diagonals. Values around the grid give the sums in corresponding directions. (Numbers can repeat in these sums.)



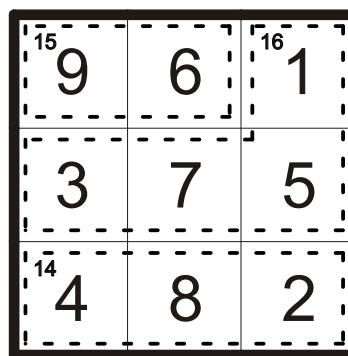
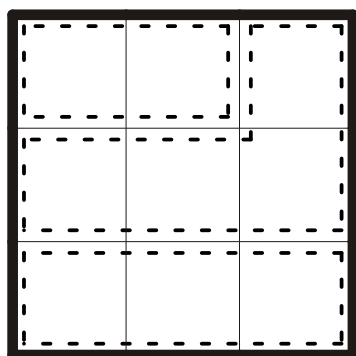
14. Overlap killer

Fill in the grid with numbers from 1 to 9 following classic sudoku rules. Value in corner of each cage gives the sum of numbers in the cage. Numbers in one cage should be different. The cages are overlapping, number in common cells are counted in both sums.



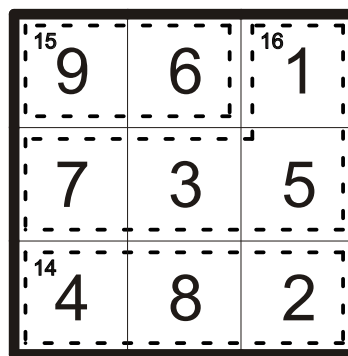
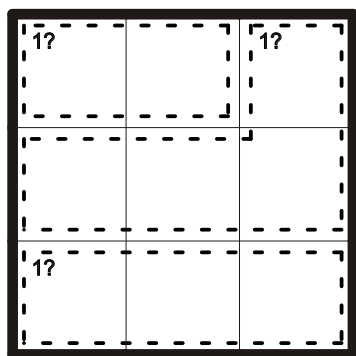
15. Not the same killer

Fill in the grid with numbers from 1 to 9 following classic sudoku rules.
All the given cages have unequal sums.
Numbers in one cage should be different.



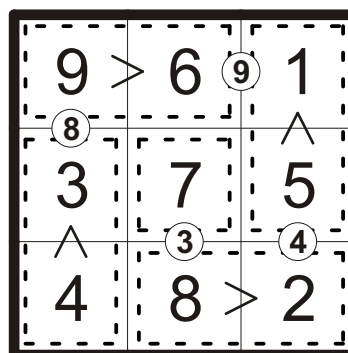
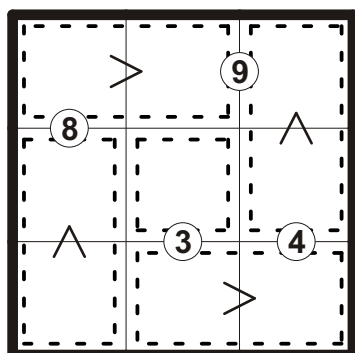
16. Decimal killer

Fill in the grid with numbers from 1 to 9 following classic sudoku rules.
Value in corner of each cage gives the sum of numbers in the cage,
but the last digit of the sum is hidden.
Numbers in one cage should be different.



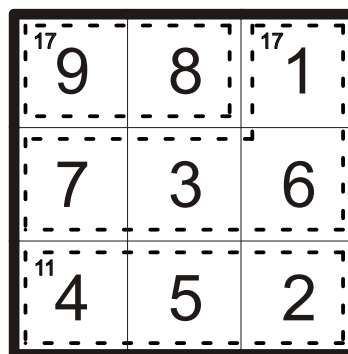
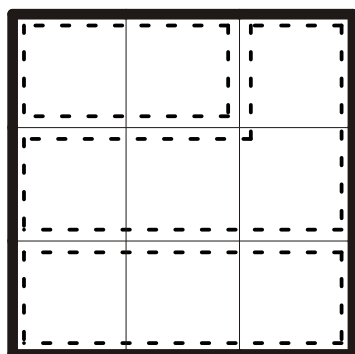
17. Spiral killer

Fill in the grid with numbers from 1 to 9 following classic sudoku rules.
The numbers must fulfill given inequality signs.
Number between cages gives the difference between the sums of digits in the cages.



18. Prime killer

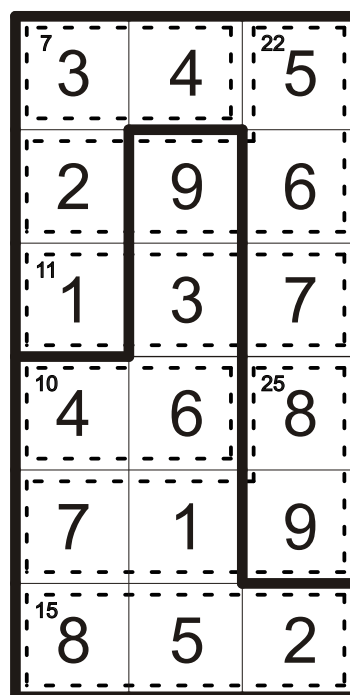
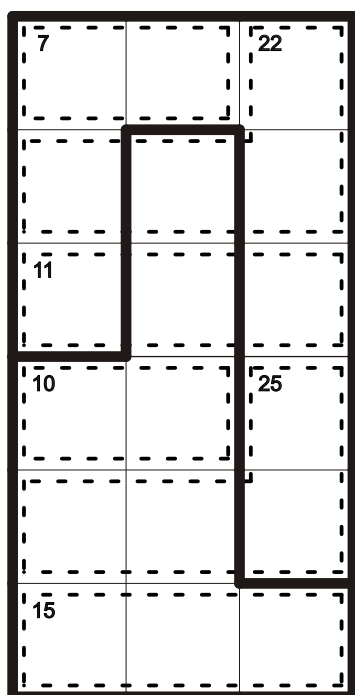
Fill in the grid with numbers from 1 to 9 following classic sudoku rules.
Sums of digits in all cages are prime numbers.
Numbers in one cage should be different.



19. Jigsaw killer

Fill in the grid with numbers from 1 to 9 so that they do not repeat in rows, columns and boldlined areas.

Given value in corner of the cage is the sum of numbers in the cage. Numbers in one cage should be different.



Puzzle order

- | | |
|------------------------------|-------------------------|
| 1. Killer sudoku | 12. Antiknight killer |
| 2. Greater than Killer | 13. Shape killer |
| 3. Product killer | 14. Jigsaw killer |
| 4. Wrong killer | 15. Killer sudoku |
| 5. Windoku killer | 16. Math killer |
| 6. Plus-minus killer | 17. Little killer |
| 7. Jigsaw killer | 18. Overlap killer |
| 8. Killer sudoku | 19. Decimal killer |
| 9. Number 5 still alive | 20. Prime killer |
| 10. Nonconsecutive killer | 21. Not the same killer |
| 11. Greather Than and killer | 22. Spiral killer |