## Booklet



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## Classic Sudoku

Write a single number from 1 to 9 in each cell such that each number appears exactly once in every row, column, and bolded $3 \times 3$ box.

|  | 7 | 6 |  |  |  |  |  | 2 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 1 |  | 5 |  | 7 |  | 6 | 3 |
| 9 | 2 |  | 8 | 1 | 6 |  | 5 | 4 |
|  | 3 |  | 7 |  | 5 |  |  |  |
| 7 |  | 4 | 2 | 9 |  | 5 |  | 1 |
|  | 5 |  | 1 |  | 3 | 4 | 2 | 7 |
| 1 | 4 |  |  |  |  | 3 | 8 |  |
| 6 |  |  | 3 |  | 4 | 1 | 7 |  |
| 3 | 8 |  | 6 | 5 | 1 | 2 |  |  |



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## External sudoku

Fill in the grid so that the numbers 1-9 appear exactly once in each row, column and outlined square $3 \times 3$. Also fill in the grey square so that numbers 1-7 appear exactly once on each side and the difference between them is at least 2 (they are nonconsecutive).


2-15


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## Colored sudoku

Fill in the grid so that the numbers 1-9 appear exactly once in each row, column and outlined square $3 \times 3$. The same numbers cannot repeat in the same positions within the nine outlined squares.

| 5 | 6 |  |  |  |  |  |  | 3 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | 2 |  |  |  | 7 |  |  |
|  | 9 |  |  | 3 |  |  | 1 |  |
|  |  | 9 |  |  | 2 |  |  |  |
|  | 7 |  |  |  |  |  | 6 |  |
|  |  |  | 8 |  |  | 3 |  |  |
|  | 1 |  |  | 5 |  |  | 7 |  |
|  |  | 7 |  |  |  | 4 |  |  |
| 4 |  |  |  |  |  |  | 5 | 2 |



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## Cross sudoku

Fill in the grid so that the numbers 1-9 appear exactly once in each row, column and in five outlined squares $3 \times 3$. The numbers also cannot repeat within all diagonal directions.


4-15

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## Pencilmarks

In each cell there are shown all numbers which may be in that cell. Choose one of the numbers so that they appear exactly once in each row, column and outlined square $3 \times 3$.

| $\begin{array}{r} 12 \\ \\ \\ 56 \\ \\ \\ 9 \end{array}$ | 48 | $\begin{array}{ll} 12 & \\ 4 & \\ 7 & 9 \end{array}$ | $\begin{array}{\|r\|} \hline 2 \\ 45 \\ 7 \\ 7 \end{array}$ | $\begin{array}{\|ll} \hline 1 & 3 \\ 7 & 9 \end{array}$ | $\begin{array}{\|ll} \hline 1 & 3 \\ & 9 \end{array}$ | $\begin{array}{ll}4 & 3 \\ 7 & \end{array}$ | $\begin{array}{lll} \hline 1 & & \\ 4 & 5 \\ 7 & & 9 \end{array}$ | 3 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{ll} \hline 1 & 3 \\ 7 & 5 \end{array}$ | $\begin{aligned} & 23 \\ & 89 \end{aligned}$ | 1 7 | $\begin{array}{\|ll} \hline 1 & 3 \\ & 5 \\ & 8 \end{array}$ | $\begin{array}{\|l} \hline 12 \\ 78 \\ 78 \end{array}$ | $\begin{array}{\|l} \hline 23 \\ 76 \end{array}$ | $\begin{aligned} & 12 \\ & 78 \end{aligned}$ | 23 5 7 | $\begin{aligned} & 23 \\ & 4 \\ & 48 \\ & 7 \end{aligned}$ |
| 42 | $\begin{array}{lll} \hline 1 & \\ 456 \\ & & \\ \hline \end{array}$ | 56 | $5^{3}$ | $\begin{array}{\|ll\|} \hline 12 \\ 7 & 9 \\ \hline \end{array}$ | $4^{2}$ | $\begin{array}{\|ll} \hline 1 & \\ 4 & \\ 7 & 6 \\ 7 & 8 \\ \hline \end{array}$ | 3 | $\begin{array}{\|ll} \hline 1 & \\ 4 & 6 \\ & 8 \\ \hline \end{array}$ |
| $\begin{array}{\|ll} 23 \\ 4 & 5 \\ 789 \end{array}$ | $\begin{array}{r} 23 \\ 7 \quad 9 \\ 7 \quad 9 \end{array}$ | $46$ | ${ }^{1} 5$ | $\begin{array}{lll} \hline 1 & 3 \\ & 5 & 6 \\ 7 & 8 \end{array}$ | $\begin{array}{lll} \hline 1 & 3 \\ & 5 & 6 \\ 7 & 8 \end{array}$ | $8$ | $\begin{array}{lll} \hline 1 & 2 \\ 4 & 6 \\ 7 & & \end{array}$ | 23 56 89 |
| $\begin{array}{\|rr} \hline 1 & 3 \\ 4 & 6 \\ & 8 \end{array}$ | $\begin{array}{r} 23 \\ 4 \\ 9 \end{array}$ | $\begin{array}{ll} 1 & \\ 4 & 6 \end{array}$ | $\begin{array}{ll} 12 & 2 \\ 4 & \\ & 9 \end{array}$ | $\begin{array}{lll} \hline 1 & & \\ 4 & 5 & 6 \\ 7 \end{array}$ | $\begin{array}{\|lr} \hline 1 & 3 \\ 7 & 8 \end{array}$ | $\begin{array}{\|ll} \hline & 3 \\ 4 & 3 \\ 7 & 8 \end{array}$ | $\begin{aligned} & 123 \\ & 789 \end{aligned}$ | $\begin{array}{ll} \hline 1 & 3 \\ 4 & 6 \\ 7 & \end{array}$ |
| $\begin{aligned} & 1 \\ & \\ & 56 \\ & 8 \end{aligned}$ | $\begin{array}{ll}1 & \\ 4 & 6\end{array}$ | 23 6 9 | 2 | $\begin{array}{ll}1 & 3 \\ 4 & \\ 7 & \\ \end{array}$ | $\begin{array}{\|lrl} \hline 1 & 3 \\ 4 & 6 \\ & 8 \end{array}$ | $\begin{array}{\|r} 13 \\ \\ \\ \\ 89 \end{array}$ |   <br> 4 3 <br> 7  | $\begin{array}{\|ll} \hline & 3 \\ 4 & \\ 7 & 8 \\ \hline \end{array}$ |
| $\begin{array}{ll} \hline 12 & \\ 4 & 6 \\ & 9 \end{array}$ | 15 | $\begin{array}{r} 23 \\ 6 \\ 9 \end{array}$ | $\begin{array}{ll} 1 & \\ 4 & 6 \\ 7 & 8 \end{array}$ | $\begin{array}{\|rr} \hline 123 \\ 7 & 9 \end{array}$ | $\begin{aligned} & 56 \\ & 89 \end{aligned}$ | $\begin{aligned} & 12 \\ & 78 \end{aligned}$ | $\begin{array}{rr} \hline & 23 \\ 4 & 6 \\ 7 & 9 \end{array}$ | $\begin{array}{ll} \hline 1 & \\ 4 & 6 \\ 4 & 6 \\ 7 & 8 \end{array}$ |
| $\begin{array}{r} 456 \\ \\ \hline \end{array}$ | 48 | $\begin{aligned} 13 \\ 5 \\ 89 \end{aligned}$ | $\begin{array}{lll} 1 & & \\ & 5 & 6 \\ 7 & 8 & 9 \end{array}$ | $\begin{aligned} & 2 \\ & 56 \\ & 78 \end{aligned}$ | $\begin{array}{\|lll} \hline 1 & & \\ 4 & 5 & \\ 7 & & 9 \end{array}$ | $8{ }^{6}$ | $\begin{array}{\|ll} \hline 1 & 3 \\ 4 & 6 \\ & 9 \end{array}$ | $8{ }^{6}$ |
| $\begin{aligned} & 1 \\ & 56 \\ & 78 \end{aligned}$ | ${ }^{1} 5$ | $\begin{aligned} & 2 \\ & 56 \\ & 8 \end{aligned}$ | $\begin{array}{ll} 1 & \\ 7 & 56 \end{array}$ | $\begin{array}{\|l\|} \hline 12 \\ 5 \\ \\ \hline \end{array}$ | $\begin{array}{lll} 1 & & \\ 4 & & 6 \\ & & 8 \end{array}$ | $\begin{array}{lr} \hline 12 & \\ 4 & \\ 7 & 9 \\ \hline \end{array}$ | $\begin{array}{r} 23 \\ 456 \end{array}$ | $\begin{aligned} & 12 \\ & 78 \end{aligned}$ |



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## Coded sudoku

Blacken some cells in the first diagram. The numbers outside the grid indicate the amount of successive blackened cells in that direction. If there are more numbers outside the grid, it means there are some white cells between the black ones. Then transfer the numbers from blackened cells to the same positions into the second diagram. Solve the classic sudoku so that the numbers 1-9 appear exactly once in each row, column and outlined square $3 \times 3$.

| 4 | 9 | 5 | 2 | 8 | 5 | 3 | 7 | 8 | 12 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8 | 1 | 3 | 3 | 9 | 5 | 4 | 5 | 6 | 21 |
| 7 | 5 | 1 | 6 | 4 | 3 | 5 | 9 | 1 | 13 |
| 8 | 7 | 2 | 9 | 5 | 6 | 1 | 4 | 3 | 11 |
| 3 | 9 | 7 | 2 | 1 | 4 | 6 | 6 | 9 | 11 |
| 1 | 5 | 6 | 8 | 3 | 8 | 2 | 8 | 5 | 22 |
| 6 | 3 | 8 | 1 | 7 | 9 | 6 | 5 | 8 | 1111 |
| 9 | 2 | 1 | 5 | 3 | 4 | 7 | 1 | 2 | 1111 |
| 5 | 7 | 4 | 6 | 8 | 4 | 9 | 3 | 6 | 22 |
| 2 | 1 | 2 | 2 | 2 | 3 | 1 | 1 | 1 |  |
|  | 1 | 1 | 2 |  | 2 | 1 | 1 | 2 |  |
|  |  |  |  |  |  | 2 | 1 |  |  |
|  |  |  |  |  |  |  |  |  |  |


|  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
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## Kabrňáci

## Domino sudoku

Fill in the grid so that the numbers 1-9 appear exactly once in each row, column and outlined square $3 \times 3$. Also place all the given domino pieces in the grid. The borders of domino pieces are shown.


| 12 | 13 | 14 | 15 | 16 |
| :---: | :---: | :---: | :---: | :---: |
| 23 | 24 | 25 | 26 |  |
| 34 | 35 | 36 |  |  |
| 45 | 46 |  |  |  |
| 56 |  |  |  |  |

7-15


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## Kabrňáci

## KenKen

Fill in the grid so that the numbers 1-9 appear exactly once in each row, column and colored square $3 \times 3$. In the outlined regions some arithmetic operations proceed just like the mathematical signs show. The number next to the sign is the result of the operation. If there is a sign '/' or '-' for 3 cells, it means the division respectively subtraction is gradual.



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 5.
## Kabrňáci

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## Snake sudoku

Fill in the grid so that the numbers 1-9 appear exactly once in each row, column and outlined square $3 \times 3$. The head (1) and the tail (9) of the snake are highlighted in gray. The snake goes exactly through 4 following cells in each square $3 \times 3$ whereas numbers in these 4 cells increase from the head to the tail. The snake cannot touch itself, even by corner.

|  | 3 |  | 1 |  | 6 |  | 5 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1 |  |  |  | 8 |  |  |  | 3 |
|  |  | 7 |  | 3 |  | 1 |  |  |
| 4 |  | 6 | 2 |  | 5 |  |  | 1 |
|  | 7 |  |  |  |  |  | 2 |  |
| 3 |  |  | 4 |  | 9 |  |  | 5 |
|  |  | 3 |  | 4 |  | 5 |  |  |
| 6 |  |  |  | 9 |  |  |  | 2 |
|  | 2 |  | 7 |  | 1 |  | 3 |  |

9-15


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 5.
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## Slovak Fence Sudoku

Fill in the grid so that the numbers 1-9 appear exactly once in each row, column and outlined square $3 \times 3$. There is also one closed fence in the grid, which is formed by edges of some cells. The fence cannot touch itself and doesn't go more times by the same side of the cell. All the numbers 1, 2, and 3 show how many edges of the cell belong to the fence. All the numbers 4 and 5 represent the sheep, which have to be inside the fence. All the numbers 9 represent the wolves, which have to be outside the fence. The given numbers 6,7 , and 8 represent the shepherds who have to be inside the fence, watching over the sheep (the rest of numbers 6,7 , and 8 may be either inside or outside). Getting it easier we highlighted some of the numbers that are inside and satisfy the conditions written above.

|  |  |  | 9 |  | 1 |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | 5 |  | 3 |  | 9 |  |  |
|  | 9 |  | 6 | 4 | 7 |  | 1 |  |
| 5 |  |  |  | 9 |  |  |  | 2 |
|  |  | 3 | 4 |  | 2 | 1 |  |  |
|  | 2 | 4 | 1 |  | 5 | 3 | 9 |  |
|  | 5 |  |  | 2 |  |  | 3 |  |
|  |  | 2 |  |  |  | 8 |  |  |
| 1 |  |  | 3 |  | 9 |  |  | 5 |

10-15


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## Kabrňáci

## Romans Sudoku

Fill in the grid so that the roman numbers 1-9 appear exactly once in each row, column and outlined square $3 \times 3$. Some parts of the numbers are already given.

Please put Arabic numerals into the answering form, not Roman ones.

| I | III | V | II | III | V | I | IX | II |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| II | I | I | V | I | III | V | VI | III |
| II | V | VII | I | X | I | I | I | VIII |
| VI | X | I | V | IV | II | III | II | VI |
| V | VI | I | X | I | I | VI | III | IV |
| V | II | II | II | V | VII | I | I | V |
| I | I | IV | I | V | V | III | VII | VII |
| VI | VII | V | II | III | I | II | I | I |
| III | I | III | I | V | II | V | V | X |



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 5.
## Kabrňáci

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There will be no instructions and example for this puzzle. It is your goal to find out the instructions and then solve the puzzle.



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 5.
## Kabrňáci

## Symmetrical even-odd Sudoku

Fill in the grid so that the numbers 1-9 appear exactly once in each row, column,outlined square $3 \times 3$ and the two shown diagonals. All the even numbers are placed symmetrically according to the diagonals.


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 5.
## Kabrňáci

## Unique Order Sums

Fill in the grid so that the numbers 1-9 appear exactly once in each row, column and outlined square $3 \times 3$. There are some outlined cages in the grid. Each cage has different value (sum of the appropriate numbers). All the cages are ordered according to their value, starting with 1 in the cage with the smallest value. Some cages have their order numbers given in the upper left corner.



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 5.
## Kabrňáci

## Arrow Sudoku

Fill in the grid so that the numbers 1-9 appear exactly once in each row, column and outlined square $3 \times 3$. The ovals form two-digit numbers, read from left to right or down from top.
The ovals and circles represent sum or product of all the numbers from cells which the arrow goes through. If there are more arrows coming from the oval or circle, each of these arrows is considered separately. The numbers may repeat within the arrow.

| 63 N |  |  | 8 |  | O | O |  | 4 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1 |  |  |  |  |  |  |
|  |  | 2 |  |  |  | $\longrightarrow$ |  |  |
| 9 | $\bigcirc$ |  | 4 |  |  | 1 |  |  |
|  | 2 |  |  |  |  | 4 |  | 6 |
| 5 | R | J | 3 |  |  | 9 |  |  |
|  | 7 | 6 |  |  | 8 | 8 |  |  |
| 8 | 6 | $\square$ | 2 |  |  |  |  | 3 |
|  | $4 \bigcirc$ |  |  | 8 | 9 | 9 |  |  |

