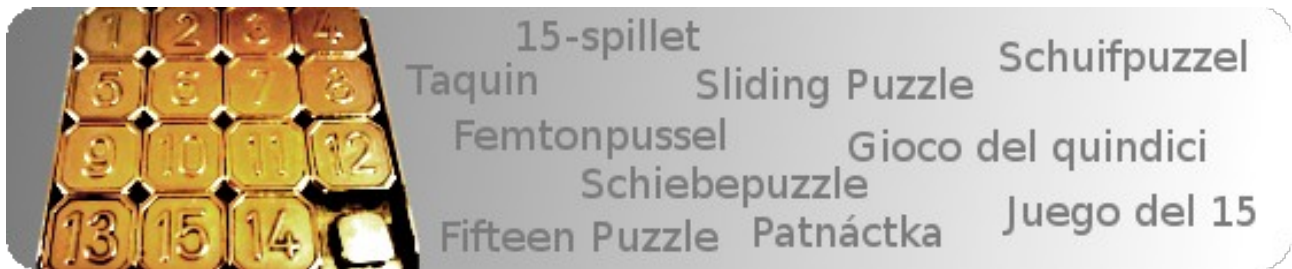


# Sliding Puzzle Challenges

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## Alternative names and language translations

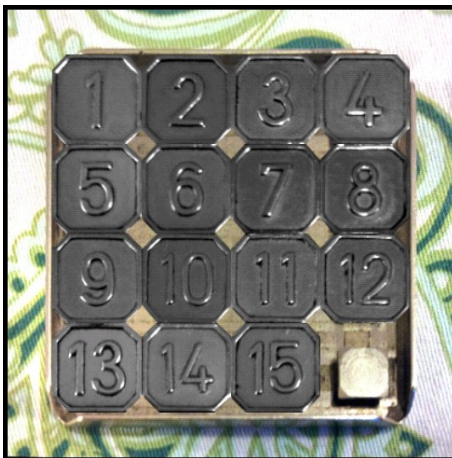
Fifteen Puzzle, Sliding Puzzle (us, uk, en), Schiebepuzzle (de), Taquin (fr), Juego del 15 (es), Gioco del quindici (it), Patnáctka (cs), 15-spillet (da), Schuifpuzzel (nl), Femtonpussel (sv)

## History

The original fifteen puzzle has been invented by Noyes Palmer Chapman in 1880. In a popular modification the position of the tiles 14 and 15 were changed. The difference is that ordering the tiles row by row and left to right by increasing numbers is made possible or impossible by the change.

## Challenges

Here you will find an overview of possible target positions of the puzzle tiles to achieve.



Left to right rows



Inwards spiral or worm 1



Outwards spiral or worm

No visual hint! Build a magic square!

Find a configuration so that numbers summed up have the same result in

- each of the 4 rows
- each of the 4 columns
- both diagonals

The empty field represents zero!

What is the sum in each row, column, and diagonal? Explain why?



Magic square



Winding worm 1



Curves 1



Knight's move



Inwards spiral or worm 2



Top to bottom columns

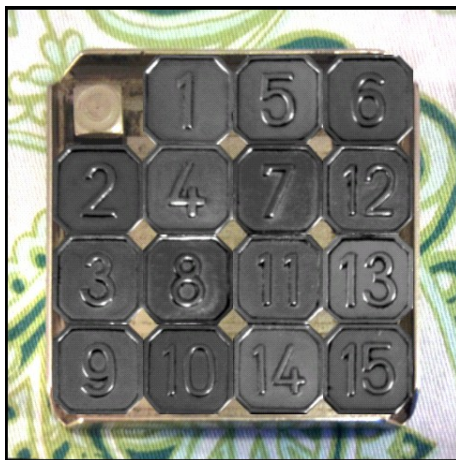




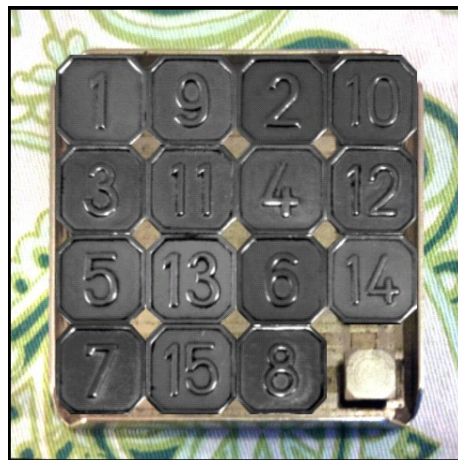
Odd then even



Zig zag



JPG zig zag



Odd then even 2

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 *
 * @since 2011-12-25
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