

Badische Landesbibliothek Karlsruhe

Digitale Sammlung der Badischen Landesbibliothek Karlsruhe

The young man's book of amusement

Halifax, 1848

Tabelle: Natural square

[urn:nbn:de:bsz:31-100120](https://nbn-resolving.org/urn:nbn:de:bsz:31-100120)

Magic Squares.

The magic square is a square figure formed of a series of numbers, in mathematical proportion, so disposed in parallel and equal ranks as that the sums of each row taken either perpendicularly, horizontally, or diagonally, are equal.

The several numbers which compose any square number (for instance, 1, 2, 3, 4, 5, &c. to 25 inclusive, which compose the square number 25) being disposed after each other, in a square figure of 25 cells, each in its cell—if, then, you change the order of these numbers, and dispose them in the cells in such a manner, as that the five numbers which fill an horizontal rank of cells being added together, shall make the same sum with the five numbers on any other rank of cells, whether horizontal or vertical, and even the same number with the five in each of the two diagonal ranks: this disposition of numbers is called a magic square, in opposition to the former disposition, which is called a natural square.

Natural Square.

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

Suppose a
instance, 7,
gically with
the one side
with unity a
other 7 and a
as these only
this an arith
well as the o
with the first
the root 7 ma
the first sever
seven number
for that is per
observe here,
ranged in 504
The order in v
romal rank, be
their order in
rank, place in
the fifth, or th
of the first ran
in order as th