

8 by 8 Mathrix Puzzles

Place the number 1 to 8 such that each row and column contains the digits 1 to 8. Circles with conditions are placed on some intersections and are meant for the 2 pairs of diagonally adjacent cells. This can be the sum (+), difference (-), product (\times), quotient (\div), only odd (O) or only even (E).

| | | | | | | | |
|---|--|-----|------|-----|---|-----|------|
| | | | 4 | | 5 | | |
| 2 | | (E) | | | | | 1 |
| | | | | | 3 | (O) | (1-) |
| 8 | | | | | | | |
| 7 | | | 5 | | 8 | | 4 |
| | | | | (E) | | | |
| | | | (4-) | | | | |
| 4 | | | | | | | 8 |
| | | | (5+) | | | | |
| | | | | 7 | 6 | | |

| | | | | | | | |
|---|---|-------------|-----|---|---|-----|------|
| | 6 | 2 | | | | | 3 |
| | | | 3 | | 6 | (E) | |
| | 5 | | 4 | 8 | | | (2-) |
| 2 | | | (E) | 6 | | | |
| | 1 | | | | | (O) | 7 |
| | | | 4 | 5 | 3 | | |
| | | (2 \div) | | | | | |
| | | | | | | | (E) |
| | | | | | | | 6 |

Answers

Place the number 1 to 8 such that each row and column contains the digits 1 to 8. Circles with conditions are placed on some intersections and are meant for the 2 pairs of diagonally adjacent cells. This can be the sum (+), difference (-), product (\times), quotient (\div), only odd (O) or only even (E).

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

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