## 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).

|  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  | 7 |  |


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

## 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).

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


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

