## 5 by 5 Mathrix Puzzles

Place the number 1 to 5 such that each row and column contains the digits 1 to 5 . 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).


## Answers

Place the number 1 to 5 such that each row and column contains the digits 1 to 5 . 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).

| 3 | 2 | 45 |  | 1 |
| :---: | :---: | :---: | :---: | :---: |
| $5$ |  | 123 |  |  |
|  |  |  |  |  |
|  | 3 | 5 |  | 2 |
| 1 | 5 | 2 | 3 | 4 |
| 2 | 1 | 3 | 4 | 5 |


| 4 | 5 | 2 | 3 | 1 |
| :--- | :--- | :--- | :--- | :--- |
| 2 | 4 | $2-$ | 3 | 1 |
|  | 5 |  |  |  |
| 5 | 1 | 4 | 2 | 3 |
| 3 | 2 | 1 | 5 | 4 |
| 1 | 3 | 5 | 4 | 2 |


| 4 | 5 | 3 | 1 | 2 |
| :--- | :--- | :--- | :--- | :--- |
| 2 | 4 | 1 | 3 | 5 |
| 5 | 1 | 4 | 2 | 3 |
| 3 | 2 | 5 | 4 | 1 |
| 1 | 3 | 2 | 5 | 4 |

$\left.\begin{array}{|l|l|l|l|l|}\hline 2 & 3 & 4 & 1 & 5 \\ \hline 4 & 2 & 1 & 5 & 3 \\ \hline & 3 & 1 & 3 & 2\end{array}\right) 4$.

