

# PUZZLES and BRAINS

## 9 BY 9 MATHDOKU (HARD NO. 6)

FILL THE GRID WITH THE NUMBERS 1 TO 9 IN SUCH THAT EACH NUMBER APPEARS ONLY ONCE IN EACH ROW AND COLUMN. THE MATHDOKU GRID IS ALSO DIVIDED IN OUTLINED REGIONS CALLED CAGES EACH WITH A GIVEN OPERATOR AND TARGET NUMBER. THE NUMBERS IN THE INDIVIDUAL CELLS OF A CAGE MUST PRODUCE THAT TARGET NUMBER USING THE OPERATOR IN A MATHEMATICAL CALCULATION.

|      |    |      |     |     |      |      |     |     |
|------|----|------|-----|-----|------|------|-----|-----|
| 2÷   |    | 108× |     | 13+ | 120× |      |     | 3×  |
| 16+  |    | 12+  |     |     | 5÷   | 2-   | 14+ |     |
| 5+   | 5÷ |      | 25+ |     |      |      |     | 36× |
|      |    | 56×  |     |     | 252× | 4÷   |     |     |
| 24×  |    | 6+   |     |     |      |      | 20+ |     |
| 6÷   |    | 105× |     |     |      |      |     | 13+ |
| 3÷   |    | 8+   |     | 9+  |      | 945× |     |     |
| 504× |    |      | 7+  |     |      |      |     | 42× |
| 3-   |    | 144× |     |     |      |      |     |     |

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# ANSWERS

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
| 4 | 2 | 6 | 9 | 7 | 3 | 5 | 8 | 1 |
| 7 | 9 | 8 | 2 | 6 | 5 | 4 | 1 | 3 |
| 2 | 5 | 4 | 3 | 8 | 1 | 6 | 7 | 9 |
| 3 | 1 | 7 | 8 | 5 | 9 | 2 | 6 | 4 |
| 6 | 4 | 1 | 5 | 9 | 7 | 8 | 3 | 2 |
| 1 | 6 | 5 | 7 | 3 | 4 | 9 | 2 | 8 |
| 9 | 3 | 2 | 6 | 1 | 8 | 7 | 4 | 5 |
| 8 | 7 | 9 | 1 | 4 | 2 | 3 | 5 | 6 |
| 5 | 8 | 3 | 4 | 2 | 6 | 1 | 9 | 7 |

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