

## Inky #1

|      |      |      |      |      |       |     |      |      |
|------|------|------|------|------|-------|-----|------|------|
| 2 /  | 2 /  | 56 × |      | 4 -  |       | 6 × |      |      |
|      |      | 5 ×  | 2 -  |      | 7 ×   |     | 34 + |      |
| 4 -  | 14 + |      | 14 × | 3 /  | 1 -   |     |      |      |
|      |      |      |      |      | 576 × |     |      |      |
| 7 -  | 1 -  |      | 15 + |      |       |     | 56 × |      |
|      | 1 -  |      | 9 +  | 1 -  | 11 +  | 3 / | 10 × |      |
| 24 × |      | 15 + |      |      |       |     |      | 10 + |
| 13 + |      |      | 14 × |      |       | 1 - |      |      |
| 45 × |      | 5 +  |      | 13 + |       |     | 1 -  |      |

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## Inky #2

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 4 -  |      | 3 -  |      | 56 × |      | 28 × | 3 /  | 14 + |
| 12 × | 24 × | 12 + |      |      | 15 × |      |      |      |
|      |      | 56 × | 14 + | 2 /  |      | 6 +  | 14 × |      |
| 11 + |      |      |      |      | 24 × |      |      | 6 -  |
| 2 /  |      | 2 -  |      | 22 + |      | 3 -  |      |      |
| 3 -  |      | 2 /  | 4 /  |      | 18 × | 5 +  | 14 + |      |
| 2 -  |      |      |      |      |      |      | 7 -  |      |
| 72 × | 3 /  | 2 /  | 9 +  | 3 /  |      | 11 + |      | 1 -  |
|      |      |      |      | 1 -  |      | 2 /  |      |      |

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Fill in the blank squares so that each row and each column contain all of the digits 1 thru 9.

The heavy lines indicate areas (called cages) that contain groups of numbers that can be combined (in any order) to produce the result shown in the cage, with the indicated math operation. For example, 12× means you can multiply the values together to produce 12.

Numbers in cages may repeat, as long as they are not in the same row or column.

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free puzzles and mazes

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## Inky #3

|      |      |      |      |      |      |       |      |      |
|------|------|------|------|------|------|-------|------|------|
| 22 + |      | 8 +  | 2 -  |      | 14 × | 189 × |      | 9 +  |
| 3 /  |      |      | 54 × | 4 /  |      |       |      |      |
|      | 6 -  | 18 × |      |      | 20 × |       | 3 -  | 2 /  |
| 1 -  |      |      | 24 × | 4 /  | 2 -  | 2 /   |      |      |
|      | 2 /  |      |      |      |      |       | 48 × | 63 × |
| 9 +  |      | 4 /  | 7 +  | 4 -  | 11 + |       |      |      |
| 2 -  | 10 + |      |      |      |      | 1 -   | 10 + | 3 -  |
|      |      | 1 -  |      | 45 × | 30 × |       |      |      |
| 12 + |      |      |      |      |      | 18 +  |      |      |

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## Inky #4

|       |      |       |      |      |       |        |      |      |
|-------|------|-------|------|------|-------|--------|------|------|
| 240 × | 1 -  |       | 15 + | 11 + |       | 4 /    | 9 ×  | 1 -  |
|       |      | 2 -   |      | 1 -  | 9 +   |        |      |      |
| 2 /   |      |       | 3 /  |      |       | 2 /    |      | 2 /  |
| 10 +  |      | 243 × |      | 18 + |       | 3 /    |      |      |
|       |      |       | 11 + |      |       | 1440 × |      | 42 × |
| 2 -   | 64 × | 7 -   |      | 2 -  | 216 × |        |      |      |
|       |      |       | 2 /  |      |       |        | 29 + | 45 × |
| 126 × |      | 3 /   |      | 15 + |       |        |      |      |
|       |      |       |      |      |       |        |      |      |

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Numbers in cages may repeat, as long as they are not in the same row or column.

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## Inky #5

|      |      |       |     |      |      |        |      |      |
|------|------|-------|-----|------|------|--------|------|------|
| 2 -  |      | 336 × | 2 / | 3 /  | 7 ×  | 3 -    |      | 14 + |
| 7 -  |      |       |     |      |      | 5 -    | 7 +  |      |
|      | 9 ×  | 14 ×  |     | 9 +  | 5 -  |        |      | 3 /  |
| 1 -  |      | 2 /   | 3 / |      |      | 12 +   | 4 /  |      |
|      | 5 -  |       |     | 5 -  | 3 /  |        |      | 14 + |
| 63 × |      | 13 +  |     |      |      | 10 +   |      |      |
|      | 10 × | 5 -   |     | 14 × | 13 + | 28 ×   |      |      |
| 1 -  |      | 180 × |     |      |      | 1296 × | 15 + |      |
|      | 11 + |       |     |      |      |        |      |      |

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The heavy lines indicate areas (called cages) that contain groups of numbers that can be combined (in any order) to produce the result shown in the cage, with the indicated math operation. For example, 12× means you can multiply the values together to produce 12.

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## Inky #6

|      |       |      |      |       |      |        |      |      |
|------|-------|------|------|-------|------|--------|------|------|
| 35 × |       | 6 -  | 30 × | 144 × |      |        | 12 × |      |
|      | 288 × |      |      | 18 +  | 4 -  | 2 /    |      | 1 -  |
|      |       | 22 + | 7 -  |       |      | 9 +    | 16 + |      |
| 7 -  |       |      |      |       | 18 × |        |      | 6 -  |
|      | 3 /   |      | 15 + |       |      | 10 ×   |      |      |
| 11 + |       | 2 -  |      | 6 +   |      |        | 30 + | 36 × |
|      | 9 +   |      | 6 -  |       | 5 +  |        |      |      |
| 2 /  |       | 80 × | 1 -  | 45 ×  |      | 3024 × |      |      |
|      |       |      |      |       |      |        |      |      |

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## Inky #7

|       |      |      |       |     |       |      |      |       |
|-------|------|------|-------|-----|-------|------|------|-------|
| 13 +  | 11 + |      | 56 ×  |     | 4 -   |      | 15 × | 2 -   |
|       | 1 -  | 4 -  |       | 7 - | 11 +  | 9 +  |      |       |
| 14 +  |      | 6 +  | 108 × |     |       |      |      | 126 × |
|       | 4 -  |      |       | 3 / | 504 × | 12 × |      |       |
| 2 /   |      | 2 /  |       |     |       |      | 1 -  |       |
|       | 12 × |      | 15 +  |     | 5 -   | 36 × |      | 2 -   |
| 189 × |      | 10 × |       | 9 + |       |      | 9 +  |       |
|       |      | 1 -  |       |     | 3 /   |      |      | 18 +  |
| 13 +  |      |      | 1 -   |     | 28 ×  |      |      |       |

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Numbers in cages may repeat, as long as they are not in the same row or column.

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## Inky #8

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 3 /  |      | 3 -  |      | 2 -  | 3 /  | 1 -  | 1 -  |      |
| 20 + |      |      | 42 × |      |      |      | 7 +  | 2 /  |
| 4 /  |      | 2 /  |      | 10 × |      | 7 -  |      |      |
| 4 -  |      |      | 2 /  |      | 6 -  |      | 3 /  |      |
| 72 × | 40 × |      | 1 -  | 10 + |      | 21 × | 9 +  | 11 + |
|      |      | 9 +  |      |      | 36 × |      |      |      |
| 18 + | 84 × |      | 7 +  |      |      | 4 -  |      | 3 /  |
|      |      |      |      | 6 +  | 1 -  | 48 × | 72 × |      |
|      |      | 21 × |      |      |      |      |      |      |

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Fill in the blank squares so that each row and each column contain all of the digits 1 thru 9.

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Numbers in cages may repeat, as long as they are not in the same row or column.

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# Answers

Hard 9x9 Inkies by Krazydad, Volume 11, Book 16

Inky #1

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

Inky #2

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

Inky #3

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

Inky #4

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

Inky #5

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

Inky #6

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

Inky #7

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

Inky #8

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

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