

## Inky #1

|      |       |      |      |      |      |       |  |       |
|------|-------|------|------|------|------|-------|--|-------|
| 11 + |       | 1 -  |      | 12 + | 70 × | 7 -   |  | 864 × |
| 16 + | 15 +  |      |      |      |      |       |  |       |
|      | 5 +   | 1 -  | 13 + |      | 9 +  | 6 ×   |  |       |
|      |       |      | 24 × |      |      | 378 × |  | 3 -   |
| 42 × | 30 ×  |      | 11 + |      |      | 15 +  |  |       |
|      |       | 12 × |      | 11 + |      |       |  | 42 ×  |
| 4 -  |       |      |      | 72 × |      | 2 -   |  |       |
|      | 448 × | 5 -  |      | 1 -  | 5 -  | 1 -   |  | 4 /   |
|      |       | 5 +  |      |      |      | 4 -   |  |       |

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## Inky #2

|      |      |      |     |     |       |      |      |      |
|------|------|------|-----|-----|-------|------|------|------|
| 3 /  | 12 + | 1 -  |     | 8 × |       | 4 -  |      | 63 × |
|      |      | 3 /  | 3 - | 7 + |       | 5 -  | 9 ×  |      |
| 28 × | 45 × |      |     | 5 × | 13 +  |      |      | 9 +  |
|      |      | 72 × |     |     |       | 3 /  |      |      |
| 3 /  |      | 3 -  | 3 - |     |       | 24 × | 10 + |      |
| 3 /  |      |      | 5 - |     |       |      | 2 -  | 18 + |
| 3 -  | 3 /  | 4 /  |     | 3 / |       | 15 + |      |      |
|      |      | 14 × | 2 / | 7 + | 360 × |      | 2 -  |      |
| 8 +  |      |      |     |     |       |      |      |      |

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## Inky #3

|      |      |        |       |      |      |       |      |      |
|------|------|--------|-------|------|------|-------|------|------|
| 2 /  |      | 144 ×  |       | 48 × | 6 -  | 10 ×  |      | 7 +  |
| 8 ×  | 45 × |        |       |      |      | 315 × |      |      |
|      |      | 3 /    |       | 4 -  |      | 4 /   |      | 13 + |
| 17 + |      | 3 /    |       | 2 -  | 4 -  |       | 2 /  |      |
|      | 6 +  |        | 126 × |      |      | 4 -   |      | 4 /  |
| 15 × | 12 × |        |       |      | 14 + |       | 10 + |      |
|      | 5 -  | 1792 × | 4 -   | 14 + |      | 5 -   |      | 16 + |
| 7 -  |      |        |       |      | 10 + |       |      |      |
|      |      |        | 5 -   |      |      |       | 8 +  |      |

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## Inky #4

|      |       |     |      |      |      |       |      |      |
|------|-------|-----|------|------|------|-------|------|------|
| 7 ×  | 3 -   | 5 - |      | 2 /  |      | 270 × | 15 + | 3 -  |
|      |       | 1 - | 3 /  | 90 × |      |       |      |      |
| 3 -  |       |     |      |      | 3 -  |       |      | 4 /  |
| 15 × | 21 +  |     |      |      | 2 /  |       | 1 -  |      |
|      | 224 × | 2 / | 25 + |      | 4 /  |       |      | 2 /  |
|      |       |     |      |      | 72 × | 16 +  | 7 +  |      |
| 2 -  | 4 /   |     | 14 × | 9 ×  |      |       |      | 14 + |
|      | 9 +   | 1 - |      |      | 8 +  |       | 25 + |      |
|      |       |     | 28 × |      |      |       |      |      |

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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.

## Inky #5

|     |     |     |       |      |      |      |       |      |
|-----|-----|-----|-------|------|------|------|-------|------|
| 1 - |     | 5 + |       | 72 × |      | 9 +  |       | 10 + |
| 7 + | 1 - | 4 / |       | 4 -  | 4 -  | 10 × |       |      |
|     |     | 4 - | 1 -   |      |      | 10 + | 30 ×  |      |
| 3 / |     |     |       | 40 × | 4 /  |      | 3 /   |      |
| 9 × | 2 / |     | 720 × |      |      | 48 × | 189 × | 11 + |
|     |     |     |       | 2 /  |      |      |       |      |
| 4 / | 9 × | 6 - | 9 +   | 11 + | 24 × |      |       | 2 -  |
|     |     |     |       | 4 -  | 4 -  | 12 + |       |      |
| 9 + |     | 2 / |       |      |      |      |       |      |

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## Inky #6

|      |      |       |       |      |      |      |      |       |
|------|------|-------|-------|------|------|------|------|-------|
| 50 × |      | 216 × |       | 14 + |      |      | 11 + | 2 /   |
| 28 × |      |       | 15 +  |      | 1 -  |      |      |       |
|      |      | 9 +   | 5 -   |      |      | 7 -  |      | 1 -   |
| 1 -  | 3 /  |       | 196 × | 21 + |      |      | 2 /  |       |
|      |      |       |       | 4 -  |      |      |      | 24 ×  |
| 3 -  | 21 + | 2 /   | 9 ×   |      | 2 /  | 12 + | 3 -  |       |
|      |      |       | 16 +  |      |      |      |      | 252 × |
| 8 ×  |      | 4 /   |       |      | 45 × |      | 4 -  |       |
|      | 2 -  |       | 7 +   |      |      |      |      |       |

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## Inky #7

|       |      |      |      |     |      |      |      |       |
|-------|------|------|------|-----|------|------|------|-------|
| 14 +  |      |      | 3 /  | 4 - | 5 -  | 54 × | 19 + |       |
| 8 +   |      | 12 + |      |     |      |      | 5 -  |       |
| 2 -   |      |      | 21 × |     | 13 + |      |      | 2 /   |
| 189 × |      |      | 13 + | 2 - |      | 4 /  |      |       |
| 4 /   |      | 40 × |      | 7 + |      | 1 -  | 20 × |       |
|       |      |      | 1 -  |     | 54 × |      | 6 -  | 630 × |
| 12 ×  | 18 × | 1 -  | 4 /  | 9 × |      | 12 + |      |       |
|       |      |      |      |     |      |      | 9 +  |       |
|       | 1 -  |      | 7 +  |     | 4 /  |      |      |       |

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## Inky #8

|       |      |      |      |       |     |      |        |      |
|-------|------|------|------|-------|-----|------|--------|------|
| 72 ×  | 3 -  | 21 + | 96 × |       |     | 4 -  | 1701 × |      |
|       |      |      | 4 /  |       | 5 + |      |        |      |
|       | 4 -  |      | 14 + |       |     | 2 /  |        | 10 × |
| 7 -   |      | 48 × | 2 -  | 7 ×   |     | 24 × |        |      |
|       |      |      |      | 4 -   |     |      | 14 +   | 1 -  |
| 630 × | 10 + |      | 11 + | 2 /   | 3 - |      |        |      |
|       | 13 + |      |      |       | 1 - |      | 2 /    |      |
|       | 40 × |      | 2 /  |       | 7 + |      | 1 -    |      |
|       |      | 2 /  |      | 252 × |     |      | 13 +   |      |

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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.

# Answers

Hard 9x9 Inkies by Krazydad, Volume 3, Book 10

Inky #1

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

Inky #2

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

Inky #3

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

Inky #4

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

Inky #5

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

Inky #6

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

Inky #7

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

Inky #8

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

For more puzzles, visit [www.krazydad.com](http://www.krazydad.com)