

## Inky #1

|       |      |       |     |      |       |      |      |      |
|-------|------|-------|-----|------|-------|------|------|------|
| 17 +  |      |       | 3 - |      | 5 +   | 6 ×  | 2 /  |      |
| 30 ×  | 20 × | 17 +  |     | 21 + |       |      | 15 + | 7 -  |
|       |      |       |     |      |       | 19 + |      |      |
|       | 1 -  | 216 × |     |      | 8 ×   |      |      | 4 -  |
| 162 × |      | 7 +   |     |      |       | 2 /  | 2 -  |      |
|       |      | 144 × | 8 + |      | 3 -   |      |      | 2 /  |
| 2 /   |      |       |     | 2 -  |       | 4 -  | 6 -  |      |
| 8 ×   | 2 /  | 2 /   |     |      | 225 × |      |      | 14 × |
|       |      | 10 +  |     |      |       | 5 -  |      |      |

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## Inky #2

|      |      |      |     |      |      |      |       |      |
|------|------|------|-----|------|------|------|-------|------|
| 5 -  | 13 + | 1 -  |     | 6 ×  |      | 16 + |       |      |
|      |      | 5 -  | 7 + |      | 1 -  |      | 11 +  | 2 -  |
| 45 × |      |      |     | 10 + | 42 × | 2 /  |       |      |
| 2 /  | 4 /  | 3 -  |     |      |      |      | 12 +  | 2 /  |
|      |      | 54 × | 1 - | 1 -  |      | 10 + |       |      |
| 5 ×  |      |      |     | 4 /  |      |      | 252 × |      |
| 4 /  |      | 3 /  |     | 30 × |      |      | 2 /   |      |
| 1 -  | 1 -  | 16 + |     | 35 × | 14 + |      |       | 54 × |
|      |      |      |     |      | 24 × |      |       |      |

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## Inky #3

|       |      |     |      |      |      |      |       |      |
|-------|------|-----|------|------|------|------|-------|------|
| 126 × | 36 × | 3 / | 2 -  |      | 24 × |      | 336 × |      |
|       |      |     | 40 × |      |      |      |       | 2 /  |
|       | 4 /  |     | 17 + | 2 /  |      | 9 +  | 6 +   |      |
| 20 ×  |      |     |      | 1 -  |      |      |       | 8 +  |
| 1 -   |      | 2 / |      | 1 -  | 2 /  |      | 13 +  |      |
| 8 +   |      | 9 + |      |      | 4 -  | 15 + |       | 42 × |
| 24 ×  | 4 /  |     | 18 + | 28 × |      |      | 5 -   |      |
|       | 14 + | 1 - |      |      | 3 -  |      |       | 5 -  |
|       |      |     |      | 6 -  |      | 6 ×  |       |      |

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## Inky #4

|      |       |       |      |      |      |      |      |     |
|------|-------|-------|------|------|------|------|------|-----|
| 14 + |       | 5 +   | 2 /  | 5 -  |      | 3 -  | 15 × |     |
| 8 +  |       |       |      | 10 + | 24 × |      | 30 × |     |
| 2 /  | 180 × |       | 24 × |      |      | 15 + |      | 7 - |
|      | 1 -   |       |      | 2 -  | 1 -  | 9 ×  | 9 +  |     |
| 7 +  |       | 2 -   |      |      |      |      |      | 3 - |
|      | 7 -   |       | 21 × | 14 + | 15 + | 11 + |      |     |
| 13 + | 4 /   | 280 × |      |      |      | 30 × | 3 /  |     |
|      |       |       | 3 /  |      |      |      | 24 × | 2 - |
| 2 -  |       |       | 10 × |      |      |      |      |     |

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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

|       |      |      |     |      |      |      |      |      |
|-------|------|------|-----|------|------|------|------|------|
| 224 × |      |      | 7 + |      | 12 + |      | 3 /  |      |
| 20 ×  |      | 15 + |     | 10 + |      |      |      | 2 -  |
| 4 -   | 5 -  |      | 4 × |      | 72 × | 4 -  |      |      |
|       | 27 × |      |     | 4 -  |      |      | 48 × | 12 + |
| 4 /   |      | 45 × |     |      | 4 /  |      |      |      |
| 8 ×   | 7 +  | 2 -  |     | 10 + | 63 × | 5 -  |      | 3 /  |
|       |      | 2 -  |     |      |      | 28 × | 13 + |      |
| 3 /   |      | 5 -  |     | 13 + |      |      |      | 2 /  |
| 2 /   |      | 2 -  |     | 4 /  |      | 6 +  |      |      |

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## Inky #6

|      |      |       |      |      |     |      |       |     |
|------|------|-------|------|------|-----|------|-------|-----|
| 2 -  | 4 /  |       | 16 + | 3 /  |     | 2 /  | 1 -   |     |
|      | 63 × |       |      |      | 1 - |      | 11 +  | 4 / |
| 2 -  | 12 + | 3 -   | 4 /  |      |     |      |       |     |
|      |      |       | 4 /  |      | 3 / | 13 + | 15 +  |     |
| 6 ×  |      | 10 +  |      | 45 × |     |      | 1 -   | 3 / |
| 32 × |      | 336 × |      |      | 7 - | 42 × |       |     |
| 8 +  |      |       |      | 5 -  |     |      | 11 +  |     |
| 2 /  |      | 2 -   | 36 × |      | 2 - |      | 120 × |     |
| 10 × |      |       |      | 21 × |     | 5 +  |       |     |

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## Inky #7

|       |      |      |     |      |      |       |     |      |
|-------|------|------|-----|------|------|-------|-----|------|
| 7 ×   | 3 /  |      | 1 - | 18 × |      | 1 -   | 1 - |      |
|       | 9 +  |      |     | 5 -  |      |       | 2 / | 13 + |
| 15 +  |      | 3 -  |     | 10 + | 3 /  |       |     |      |
| 6 ×   | 15 + |      |     |      | 9 +  | 4 -   |     | 1 -  |
|       | 11 + |      | 2 / |      |      | 48 ×  |     |      |
| 1 -   |      | 3 /  |     | 40 × | 3 -  | 252 × |     | 2 /  |
| 2 /   | 12 × | 9 +  |     |      |      | 1 -   |     |      |
|       |      | 54 × |     | 8 +  |      |       | 7 - | 15 × |
| 240 × |      |      | 6 + |      | 63 × |       |     |      |

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## Inky #8

|      |      |       |  |       |       |      |      |      |
|------|------|-------|--|-------|-------|------|------|------|
| 3 -  |      | 10 +  |  | 15 +  | 9 ×   |      | 4 /  | 11 + |
| 3 -  | 11 + | 144 × |  |       | 40 ×  |      |      |      |
|      |      |       |  | 4 /   |       | 15 + |      | 11 + |
| 3 /  |      | 14 +  |  | 5 -   | 84 ×  | 40 × |      |      |
| 4 /  |      |       |  |       |       |      | 54 × |      |
| 30 × | 23 + |       |  | 40 ×  | 108 × | 10 + | 2 -  |      |
|      | 11 + |       |  |       |       |      | 6 -  | 4 /  |
| 5 -  |      | 3 -   |  | 120 × |       | 2 /  |      |      |
| 5 -  |      | 2 -   |  |       |       |      | 1 -  |      |

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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 9, Book 24

Inky #1

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

Inky #2

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

Inky #3

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

Inky #4

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

Inky #5

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

Inky #6

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

Inky #7

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

Inky #8

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

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