

### Inky #1

|      |      |       |      |      |      |      |      |       |
|------|------|-------|------|------|------|------|------|-------|
| 7 x  |      | 72 x  |      |      | 11 + | 3 -  | 1 -  | 2 /   |
| 70 x |      | 216 x |      |      |      |      |      |       |
|      | 10 + |       |      | 7 -  |      | 24 x |      | 9 x   |
| 18 x | 18 + |       | 12 + | 3 -  | 3 /  | 2 /  | 5 -  |       |
|      |      |       |      |      |      |      |      | 210 x |
| 3 -  |      | 3 /   | 2 /  |      | 9 x  |      | 12 + |       |
| 11 + |      |       | 3 /  | 13 + | 11 + | 3 /  |      |       |
| 5 -  | 2 -  | 11 +  |      |      |      |      | 5 -  |       |
|      |      |       | 9 x  |      | 1 -  |      | 5 +  |       |

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### Inky #2

|       |      |      |      |      |      |      |      |      |
|-------|------|------|------|------|------|------|------|------|
| 84 x  |      |      | 12 + |      | 21 x | 26 + | 15 + |      |
| 3 -   | 4 -  |      |      |      |      |      |      | 2 /  |
|       |      | 40 x |      | 15 + |      |      | 63 x |      |
| 4 -   | 3 -  |      | 3 -  | 2 /  |      | 7 +  |      | 2 /  |
|       |      | 1 -  |      | 21 + | 5 +  |      | 2 -  |      |
| 2 /   | 48 x |      | 4 -  |      |      | 84 x |      | 2 /  |
|       |      | 3 /  |      |      |      |      | 16 x |      |
| 486 x |      |      | 5 -  |      | 1 -  |      |      | 35 x |
|       | 3 /  |      | 8 +  |      | 7 +  |      |      |      |

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### Inky #3

|      |      |      |      |      |      |     |      |      |
|------|------|------|------|------|------|-----|------|------|
| 14 + |      | 17 + | 42 x |      | 1 -  |     | 8 +  | 1 -  |
| 2 /  |      |      | 9 x  |      | 2 /  | 1 - |      |      |
|      | 9 x  |      | 3 -  |      |      |     | 48 x |      |
| 2 x  | 23 + |      |      | 28 x |      | 3 / |      | 12 + |
|      | 14 + | 2 /  | 12 + | 1 -  | 54 x | 5 - | 10 x |      |
|      |      |      |      |      |      |     |      | 7 -  |
| 2 /  | 14 x | 8 +  | 3 /  | 2 -  |      | 9 + |      |      |
|      |      |      |      |      | 24 x |     | 15 + | 7 -  |
| 1 -  |      | 1 -  |      | 30 x |      |     |      |      |

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### Inky #4

|       |       |      |       |     |      |      |      |      |
|-------|-------|------|-------|-----|------|------|------|------|
| 56 x  |       | 2 /  | 7 -   |     | 96 x |      | 15 x |      |
|       | 300 x |      | 8 +   | 2 - | 21 + |      | 1 -  | 17 + |
|       |       |      |       |     |      |      |      |      |
| 810 x |       |      | 12 +  | 5 - |      | 7 x  | 2 /  |      |
| 2 -   |       |      |       | 2 - |      |      |      | 21 + |
|       | 2 /   |      | 105 x |     | 2 /  |      |      |      |
| 1 -   | 3 /   | 15 + |       |     | 14 x | 7 +  |      | 7 +  |
|       |       | 3 -  | 9 +   |     |      | 13 + | 3 -  |      |
| 21 x  |       |      | 60 x  |     |      |      |      |      |

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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, 12x 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

|      |     |      |      |      |      |      |      |      |
|------|-----|------|------|------|------|------|------|------|
| 64 x |     |      | 54 x | 4 -  | 16 + |      | 1 -  |      |
| 4 /  |     | 1 -  |      |      | 14 x |      | 13 + | 3 /  |
| 40 x |     |      | 9 +  | 5 -  |      |      |      |      |
| 3 -  | 2 - | 7 -  |      |      | 20 + | 2 /  | 9 +  | 48 x |
|      |     |      | 5 +  |      |      |      |      |      |
| 3 /  |     | 18 + | 10 + |      |      | 24 x | 5 +  | 8 +  |
| 3 /  |     |      |      | 8 x  |      |      |      |      |
| 28 x | 3 / |      |      | 30 x | 4 -  | 1 -  | 2 /  |      |
|      |     | 5 -  |      | 54 x |      |      |      |      |

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### Inky #6

|       |      |       |       |       |      |       |      |      |
|-------|------|-------|-------|-------|------|-------|------|------|
| 2 /   | 1 -  |       | 315 x |       |      | 7 -   |      | 2 /  |
|       | 5 -  |       | 48 x  |       | 1 -  |       | 3 -  |      |
| 63 x  | 2 /  |       | 2 -   |       | 3 /  | 120 x |      | 56 x |
|       | 14 + | 162 x |       | 144 x |      |       |      |      |
|       |      |       |       |       | 2 /  |       | 10 + |      |
| 7 +   |      |       | 6 x   | 1 -   |      | 15 +  |      | 3 -  |
| 288 x |      |       |       |       | 21 + | 14 +  |      |      |
| 9 +   |      | 9 +   |       | 15 +  |      | 3 /   | 12 x | 1 -  |
|       |      | 4 -   |       |       |      |       |      |      |

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### Inky #7

|       |      |      |      |      |      |      |      |      |
|-------|------|------|------|------|------|------|------|------|
| 2 /   |      | 60 x | 63 x |      | 13 + | 16 + |      | 7 -  |
| 512 x |      |      |      | 2 /  |      | 15 x |      |      |
|       |      | 72 x |      |      | 2 /  |      | 15 + | 4 -  |
| 1 -   |      |      | 10 + | 20 x |      |      |      |      |
| 3 /   |      | 1 -  |      |      | 12 + | 2 -  |      | 2 -  |
| 3 -   |      |      | 3 -  |      |      | 5 x  |      |      |
| 13 +  | 10 + | 3 -  |      | 8 x  | 8 +  | 11 + | 2 /  | 42 x |
|       |      |      | 24 x |      |      |      |      |      |
| 9 +   |      |      |      | 1 -  |      | 3 /  |      |      |

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### Inky #8

|       |      |       |      |     |       |      |     |      |
|-------|------|-------|------|-----|-------|------|-----|------|
| 15 +  |      | 2 -   | 7 +  |     | 2 /   | 8 +  |     | 3 /  |
| 40 x  | 32 x |       | 2 -  | 3 - |       | 3 -  |     |      |
|       |      |       |      |     |       | 8 +  | 5 + | 26 + |
| 11 +  | 5 -  |       | 1 -  |     |       | 1 -  |     |      |
|       | 1 -  | 378 x | 7 +  |     | 24 x  |      |     |      |
| 12 x  |      |       | 2 -  |     | 10 x  | 72 x |     | 9 x  |
|       | 10 + |       | 32 x | 3 - |       | 2 -  | 3 / |      |
|       |      |       |      |     | 216 x |      |     | 8 +  |
| 168 x |      |       |      |     |       | 7 +  |     |      |

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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, 12x 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 17, Book 40

Inky #1

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

Inky #2

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

Inky #3

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

Inky #4

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

Inky #5

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

Inky #6

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

Inky #7

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

Inky #8

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