

### Inky #1

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 2 /  | 3 -  | 2 -  | 84 x |      | 12 + |      | 32 x | 2 -  |
|      |      |      | 21 + |      | 3 /  | 3 /  |      |      |
| 42 x |      | 15 x |      |      |      |      | 4 /  |      |
| 1 -  |      |      | 7 +  | 7 -  |      | 12 + | 18 x | 1 -  |
| 36 x | 3 /  |      |      | 10 + |      |      |      |      |
|      | 22 + | 2 /  | 10 + | 10 + | 4 /  |      | 3 /  |      |
|      |      |      |      |      | 5 -  | 40 x |      | 84 x |
| 5 -  |      | 9 +  | 45 x |      |      | 2 -  | 1 -  |      |
| 3 /  |      |      |      | 10 x |      |      |      |      |

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### Inky #2

|      |      |      |       |     |      |      |      |     |
|------|------|------|-------|-----|------|------|------|-----|
| 2 -  | 5 +  |      | 6 -   | 5 - | 9 +  | 33 + |      |     |
|      | 3 -  | 28 x |       |     |      | 36 x |      |     |
| 8 +  |      |      | 40 x  | 1 - | 3 /  |      | 3 /  |     |
|      | 2 -  |      |       |     |      |      | 63 x |     |
| 56 x |      | 10 + | 3 /   |     | 14 + | 10 x |      | 4 - |
|      | 17 + |      | 108 x | 2 / |      | 5 -  | 3 -  |     |
| 2 /  |      |      |       |     | 14 + |      |      | 4 / |
|      |      |      | 5 -   |     | 35 x |      | 24 x |     |
| 11 + |      | 13 + |       |     | 1 -  |      |      | 6 x |

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### Inky #3

|       |      |      |      |      |       |       |      |      |
|-------|------|------|------|------|-------|-------|------|------|
| 315 x |      | 10 + |      | 5 +  | 7 +   |       | 48 x |      |
|       | 48 x | 40 x |      |      | 20 x  | 4 /   |      | 54 x |
|       |      |      | 25 + |      |       | 5 +   |      |      |
| 4 /   |      | 3 -  | 15 + |      | 4 /   |       | 2 -  |      |
| 1 -   | 4 /  |      |      |      | 360 x |       | 6 -  |      |
|       |      | 2 -  |      | 13 + | 8 +   |       | 2 -  | 4 /  |
| 24 x  | 2 -  | 7 +  |      |      |       | 378 x |      |      |
|       |      | 1 -  |      | 5 -  |       |       | 24 x | 7 +  |
| 2 -   |      | 2 -  |      | 2 /  |       |       |      |      |

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### Inky #4

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 3 -  |      | 4 -  | 7 -  |      | 19 + | 2 /  |      | 1 -  |
| 2 /  | 45 x |      | 1 -  |      |      | 10 + | 14 + |      |
|      |      | 4 /  |      |      |      |      |      | 42 x |
| 10 + | 6 -  | 60 x |      |      | 96 x | 72 x | 3 /  |      |
|      |      | 5 -  | 3 -  |      |      |      |      | 18 x |
| 8 +  | 2 /  |      |      | 42 x | 6 x  |      | 22 + |      |
|      |      | 3 /  | 21 x |      | 3 /  |      |      |      |
| 15 + | 5 +  |      |      | 5 -  |      | 1 -  | 8 +  |      |
|      |      | 7 -  |      | 54 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.

### Inky #5

|      |     |      |      |       |       |       |      |      |
|------|-----|------|------|-------|-------|-------|------|------|
| 2/   |     | 20 x | 5 -  | 14 +  |       | 4 -   |      | 12 + |
| 1 -  | 7 + |      |      | 7 -   | 280 x |       | 6 x  |      |
|      |     | 4/   |      |       | 5 -   |       |      | 3 -  |
| 3/   | 8 + |      | 14 x |       |       | 324 x |      |      |
|      | 4/  |      | 4 -  | 4 -   |       |       |      | 2/   |
| 18 + |     | 15 + |      | 12 +  |       | 2/    | 20 x |      |
|      | 3/  |      | 3 -  | 3/    |       |       |      | 42 x |
| 13 + |     | 14 x |      | 216 x | 16 x  |       | 1 -  |      |
|      |     |      |      | 7 +   |       |       |      |      |

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### Inky #6

|       |     |      |       |      |       |      |      |      |
|-------|-----|------|-------|------|-------|------|------|------|
| 7 +   | 1 - | 10 + |       | 4 -  |       | 3 -  |      | 10 + |
|       |     | 48 x |       |      |       | 36 x |      | 1 -  |
| 315 x |     | 56 x |       | 2/   | 5 +   |      |      | 5 -  |
|       |     |      | 8 +   |      | 22 +  | 5 -  |      |      |
| 4/    | 3 - | 21 + |       | 6 x  |       |      | 20 x |      |
|       |     |      |       |      | 210 x | 7 -  | 4 -  | 11 + |
| 6 +   |     |      | 168 x |      |       |      |      |      |
| 12 x  | 6 x | 11 + |       | 3 -  |       | 7 -  |      | 7 x  |
|       |     |      |       | 10 + |       | 2/   |      |      |

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### Inky #7

|      |       |      |     |     |      |      |      |      |
|------|-------|------|-----|-----|------|------|------|------|
| 15 + | 2/    |      | 7 - | 1 - |      | 28 x | 2/   |      |
|      | 14 +  | 2/   |     | 2 - | 10 + |      | 13 + | 9 +  |
| 11 + |       |      | 2 - |     |      | 30 x |      |      |
|      |       | 4 -  |     | 2/  | 14 + |      | 1 -  | 3 -  |
| 2/   |       |      | 7 x |     |      | 4/   |      |      |
| 4 -  | 432 x |      |     | 2/  | 2 -  |      | 14 x | 11 + |
|      |       | 2/   |     |     |      | 27 x |      |      |
| 15 x |       | 24 x |     | 2/  | 5 -  |      | 9 x  | 10 x |
| 15 + |       | 15 + |     |     |      |      |      |      |

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### Inky #8

|       |      |      |      |      |      |      |      |      |
|-------|------|------|------|------|------|------|------|------|
| 336 x |      |      | 15 + |      | 1 -  |      | 1 -  | 6 +  |
|       | 63 x |      | 96 x |      | 7 -  |      |      |      |
| 15 x  |      | 5 -  |      |      | 4/   | 9 x  | 1 -  |      |
| 3/    | 24 x | 14 + | 2 -  | 4/   |      |      | 1 -  |      |
|       |      |      |      |      | 21 x | 3/   | 10 + |      |
| 8 +   |      | 7 -  |      | 21 x |      |      | 3 -  |      |
|       | 14 + |      |      |      | 14 + | 13 + |      | 11 + |
| 24 x  | 4/   | 2/   | 2/   |      |      |      | 42 x |      |
|       |      |      | 8 +  |      | 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, 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 Inky's by Krazydad, Volume 17, Book 27

Inky #1

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

Inky #2

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

Inky #3

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

Inky #4

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

Inky #5

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

Inky #6

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

Inky #7

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

Inky #8

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