

BINAIRO - MEDIUM

12 Worksheets with Answers

| | | | | | |
|--|---|---|---|---|---|
| | | | | 1 | 1 |
| | 1 | | | | 1 |
| | | | 0 | 1 | |
| | | 0 | | 0 | |
| | | | | 0 | |
| | | | 1 | | |

VOL.
1

6X6 Binary Puzzles

Takuzu Instructions:

Fill in the grid with 0s and 1s according to these rules:

- No more than two consecutive identical digits in any row or column
- Each row and column must contain an equal number of 0s and 1s
- All rows are different, all columns are different

Takuzu #1

| | | | | | |
|---|---|---|---|---|--|
| | | | | 0 | |
| | | 0 | 1 | | |
| | 0 | 0 | | 0 | |
| | 0 | | 0 | 1 | |
| | 1 | 0 | 1 | 0 | |
| 1 | | | | | |

Answer #1

| | | | | | |
|---|---|---|---|---|---|
| 0 | 1 | 0 | 1 | 0 | 1 |
| 0 | 0 | 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 1 | 0 | 0 |
| 1 | 0 | 1 | 0 | 0 | 1 |
| 0 | 1 | 1 | 0 | 1 | 0 |
| 1 | 0 | 0 | 1 | 1 | 0 |

Takuzu #2

| | | | | | |
|---|---|---|---|---|---|
| 1 | 0 | | | 1 | |
| | | 0 | 0 | 1 | |
| | 0 | 1 | | | |
| | 0 | 1 | | | |
| | 1 | | 1 | 0 | |
| | | | | | 0 |

Answer #2

| | | | | | |
|---|---|---|---|---|---|
| 0 | 0 | 1 | 0 | 1 | 1 |
| 1 | 0 | 1 | 0 | 1 | 0 |
| 1 | 1 | 0 | 1 | 0 | 0 |
| 0 | 0 | 1 | 1 | 0 | 1 |
| 1 | 1 | 0 | 0 | 1 | 0 |
| 0 | 1 | 0 | 1 | 0 | 1 |

Takuzu #3

| | | | | | |
|--|---|---|---|---|---|
| | | | | | 1 |
| | | 0 | 1 | 0 | |
| | 1 | 1 | 0 | 1 | |
| | 1 | | | 1 | |
| | 0 | | 0 | 0 | |
| | 1 | | | | |

Answer #3

| | | | | | |
|---|---|---|---|---|---|
| 0 | 0 | 1 | 0 | 1 | 1 |
| 1 | 0 | 0 | 1 | 0 | 1 |
| 0 | 1 | 1 | 0 | 1 | 0 |
| 0 | 1 | 0 | 1 | 1 | 0 |
| 1 | 0 | 1 | 0 | 0 | 1 |
| 1 | 1 | 0 | 1 | 0 | 0 |

Takuzu #4

| | | | | | |
|--|---|---|---|---|---|
| | | | | | 1 |
| | 1 | 0 | 1 | 0 | |
| | | | 0 | 1 | |
| | 1 | | 1 | 0 | 0 |
| | 1 | | 0 | 1 | |
| | | | | | |

Answer #4

| | | | | | |
|---|---|---|---|---|---|
| 0 | 0 | 1 | 1 | 0 | 1 |
| 1 | 1 | 0 | 0 | 1 | 0 |
| 0 | 0 | 1 | 0 | 1 | 1 |
| 0 | 1 | 0 | 1 | 0 | 1 |
| 1 | 0 | 1 | 0 | 1 | 0 |
| 1 | 1 | 0 | 1 | 0 | 0 |

Takuzu #5

| | | | | | |
|--|---|---|---|---|--|
| | 0 | | 1 | | |
| | | 1 | | 1 | |
| | 0 | 0 | 1 | 0 | |
| | 1 | | 0 | 0 | |
| | 0 | 0 | 1 | | |
| | | | | | |

Answer #5

| | | | | | |
|---|---|---|---|---|---|
| 0 | 1 | 0 | 0 | 1 | 1 |
| 0 | 1 | 1 | 0 | 0 | 1 |
| 1 | 0 | 0 | 1 | 1 | 0 |
| 1 | 0 | 1 | 0 | 0 | 1 |
| 0 | 1 | 0 | 1 | 1 | 0 |
| 1 | 0 | 1 | 1 | 0 | 0 |

Takuzu #6

| | | | | | |
|----------|----------|----------|----------|----------|--|
| 0 | | | | | |
| | 0 | 0 | 1 | 0 | |
| | 1 | 1 | | 1 | |
| | 0 | | 0 | 1 | |
| | 1 | | | 0 | |
| | 1 | | | | |

Answer #6

| | | | | | |
|----------|----------|----------|----------|----------|----------|
| 0 | 1 | 0 | 0 | 1 | 1 |
| 0 | 0 | 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 1 | 0 | 0 |
| 0 | 1 | 0 | 1 | 1 | 0 |
| 1 | 0 | 1 | 0 | 0 | 1 |
| 1 | 0 | 1 | 1 | 0 | 0 |

8X8 Binary Puzzles

Takuzu Instructions:

Fill in the grid with 0s and 1s according to these rules:

- No more than two consecutive identical digits in any row or column
- Each row and column must contain an equal number of 0s and 1s
- All rows are different, all columns are different

Takuzu #7

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | 0 | | | | 0 | | |
| | | 1 | | 0 | 0 | 1 | |
| | | | | | | | |
| | 0 | 1 | 1 | | | 0 | |
| | 1 | 0 | | | | | 0 |
| 1 | 0 | | 1 | | 0 | 1 | |
| | | 0 | 0 | 1 | | | |
| 1 | | | | | | | |

Answer #7

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 |
| 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 |
| 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 |
| 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 |
| 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 |
| 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 |
| 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 |
| 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |

Takuzu #8

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | | 0 |
| | 1 | 0 | 1 | | 1 | 1 | |
| | 1 | | 0 | | | | |
| | 0 | | 0 | | 0 | | |
| | | 1 | 1 | 0 | | | |
| | 1 | | 0 | | | 1 | |
| | | 0 | | | 1 | 0 | |
| 1 | | | | | 1 | | |

Answer #8

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 |
| 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 |
| 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 |
| 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 |
| 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 |

Takuzu #9

| | | | | | | | |
|--|---|---|---|---|---|---|---|
| | | 0 | | | | 1 | 1 |
| | 1 | 1 | | | | 0 | |
| | | | 1 | | 1 | | |
| | 1 | | | 0 | | 0 | |
| | 0 | 0 | 1 | 1 | 0 | | |
| | 0 | | 1 | | | 0 | |
| | 1 | | | 0 | 1 | | |
| | | | | | | | |

Answer #9

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | ↓ | ↓ | 0 | ↓ | 0 | ↓ |
| 0 | ↓ | ↓ | 0 | 0 | ↓ | ↓ | 0 |
| ↓ | 0 | 0 | ↓ | ↓ | 0 | 0 | ↓ |
| 0 | ↓ | 0 | ↓ | ↓ | 0 | 0 | ↓ |
| ↓ | 0 | ↓ | 0 | 0 | ↓ | ↓ | 0 |
| 0 | ↓ | ↓ | 0 | ↓ | 0 | 0 | ↓ |
| ↓ | 0 | 0 | ↓ | 0 | ↓ | ↓ | 0 |
| ↓ | ↓ | 0 | 0 | ↓ | 0 | ↓ | 0 |

Takuzu #10

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | 0 | | | 1 | |
| | 1 | | 0 | | 1 | | |
| | | 1 | 1 | 0 | 0 | | |
| 0 | 1 | | 0 | 1 | | 1 | |
| | 0 | | | 0 | | | |
| | 0 | | | | | | |
| 1 | | | 0 | | 1 | 0 | |
| | | | | | | | 0 |

Answer #10

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | ↓ | 0 | ↓ | 0 | ↓ | ↓ |
| 0 | 0 | ↓ | ↓ | 0 | 0 | ↓ | ↓ |
| ↓ | ↓ | 0 | 0 | ↓ | ↓ | 0 | 0 |
| 0 | 0 | ↓ | 0 | ↓ | ↓ | 0 | ↓ |
| ↓ | ↓ | 0 | ↓ | 0 | 0 | ↓ | 0 |
| 0 | ↓ | 0 | 0 | ↓ | ↓ | 0 | ↓ |
| ↓ | 0 | ↓ | ↓ | 0 | 0 | ↓ | 0 |
| ↓ | ↓ | 0 | ↓ | 0 | ↓ | 0 | 0 |

Takuzu #11

| | | | | | | | |
|--|---|---|---|---|---|---|---|
| | | | | | | 0 | |
| | 0 | | 1 | 0 | | 0 | |
| | 0 | 1 | | | 1 | | |
| | 1 | | | 1 | 0 | | |
| | | 1 | 0 | 1 | | 0 | 0 |
| | | 0 | | | 0 | | |
| | 1 | 0 | | | 0 | 0 | |
| | | | | | | | |

Answer #11

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | ↓ | ↓ | 0 | 0 | ↓ | 0 | ↓ |
| ↓ | 0 | 0 | ↓ | ↓ | 0 | ↓ | 0 |
| 0 | ↓ | 0 | 0 | ↓ | 0 | ↓ | ↓ |
| 0 | 0 | ↓ | ↓ | 0 | ↓ | 0 | ↓ |
| ↓ | ↓ | 0 | ↓ | 0 | 0 | ↓ | 0 |
| 0 | ↓ | ↓ | 0 | ↓ | ↓ | 0 | 0 |
| ↓ | 0 | ↓ | 0 | ↓ | 0 | 0 | ↓ |
| ↓ | 0 | 0 | ↓ | 0 | ↓ | ↓ | 0 |

Takuzu #12

| | | | | | | | |
|---|---|---|---|---|---|---|--|
| 0 | | 1 | | | | | |
| 0 | 0 | | 1 | | 1 | | |
| | | 0 | | 0 | | | |
| | 0 | 1 | | 1 | | 1 | |
| | | 0 | | | | | |
| 1 | 1 | 0 | | 0 | 1 | | |
| 1 | 0 | 1 | 1 | | | | |
| | | | | | | | |

Answer #12

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ↓ | ↓ | 0 | ↓ | 0 | 0 | ↓ | 0 |
| 0 | ↓ | 0 | 0 | ↓ | ↓ | 0 | ↓ |
| 0 | 0 | ↓ | 0 | ↓ | 0 | ↓ | ↓ |
| ↓ | 0 | ↓ | ↓ | 0 | 0 | ↓ | 0 |
| 0 | ↓ | 0 | ↓ | 0 | ↓ | 0 | ↓ |
| 0 | ↓ | 0 | 0 | ↓ | 0 | ↓ | ↓ |
| ↓ | 0 | ↓ | 0 | ↓ | ↓ | 0 | 0 |
| ↓ | 0 | ↓ | ↓ | 0 | ↓ | 0 | 0 |

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