

# Sudoku

## Two-by-Two With Four Possible Values

Name: \_\_\_\_\_ Date: \_\_\_\_\_

4			
1		4	2
			3

			4
		2	1
	1		
			3

2	4	1	
	3		
			4

3		1	4
		2	
			3

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## ANSWER KEY

#1	A	B	C	D
1	3	1	2	4
2	4	2	3	1
3	1	3	4	2
4	2	4	1	3

#2	A	B	C	D
1	1	2	3	4
2	4	3	2	1
3	3	1	4	2
4	2	4	1	3

#3	A	B	C	D
1	2	4	1	3
2	1	3	4	2
3	4	2	3	1
4	3	1	2	4

#4	A	B	C	D
1	1	4	3	2
2	3	2	1	4
3	4	3	2	1
4	2	1	4	3

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## Two-by-Two With Four Possible Values

### *Detailed Solution Steps*

#### **Solution for board #1**

1. Row 3 has only one missing value, so it must be "3"
2. The bottom right group has only one empty cell, so it must be "1"
3. The cell at D2 can only be "1"
4. Column D has only one missing value, so it must be "4"
5. The cell at B2 can only be "2"
6. Row 2 has only one missing value, so it must be "3"
7. Column C has only one missing value, so it must be "2"
8. The cell at A1 can only be "3"
9. Row 1 has only one missing value, so it must be "1"
10. Column A has only one missing value, so it must be "2"
11. The bottom left group has only one empty cell, so it must be "4"

#### **Solution for board #2**

1. Column D has only one missing value, so it must be "2"
2. The top right group has only one empty cell, so it must be "3"
3. The cell at B1 can only be "2"
4. Row 1 has only one missing value, so it must be "1"
5. The cell at C3 can only be "4"
6. Row 3 has only one missing value, so it must be "3"
7. Column C has only one missing value, so it must be "1"
8. The cell at A2 can only be "4"
9. Row 2 has only one missing value, so it must

be "3"

10. Column A has only one missing value, so it must be "2"
11. The bottom left group has only one empty cell, so it must be "4"

#### **Solution for board #3**

1. Row 1 has only one missing value, so it must be "3"
2. The top left group has only one empty cell, so it must be "1"
3. The cell at D2 can only be "2"
4. Row 2 has only one missing value, so it must be "4"
5. Column D has only one missing value, so it must be "1"
6. The cell at B3 can only be "2"
7. Column B has only one missing value, so it must be "1"
8. The cell at C3 can only be "3"
9. Row 3 has only one missing value, so it must be "4"

10. Column A has only one missing value, so it must be "3"
11. The bottom right group has only one empty cell, so it must be "2"

#### **Solution for board #4**

1. Row 2 has only one missing value, so it must be "2"
2. The cell at C1 can only be "3"
3. Column C has only one missing value, so it must be "4"
4. The top right group has only one empty cell, so it must be "2"
5. Column D has only one missing value, so it must be "1"

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### *Detailed Solution Steps*

6. The cell at A3 can only be "4"
7. Row 3 has only one missing value, so it must be "3"
8. The cell at A1 can only be "1"
9. Row 1 has only one missing value, so it must be "4"
10. Column A has only one missing value, so it must be "2"
11. The bottom left group has only one empty cell, so it must be "1"