# Medium Sudoku

8 puzzles · Set cs235p · Answers on the last page

**Medium #1**

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

**Medium #2**

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

**Medium #3**

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

**Medium #4**

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

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**Medium #5**

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

**Medium #6**

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

**Medium #7**

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

**Medium #8**

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

# Medium Sudoku: Answer Key

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### Medium #1

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

### Medium #2

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

### Medium #3

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

### Medium #4

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

### Medium #5

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

### Medium #6

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

### Medium #7

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

### Medium #8

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