

\$0.00 + (20¢)

# Welcome!

Screen Number: 0

Please proceed through the entire program until you see the screen titled "Thanks for your participation" and click the "Complete HIT" button. Failure to do so will result in an incomplete HIT and may forfeit compensation.

Each worker may only complete this HIT once. This HIT may take anywhere from 3 to 60 minutes. Please ensure you have sufficient time to finish the HIT before proceeding.

Located at the top-left corner of the screen is the total compensation earned so far. The (+ x¢) indicates how much would be earned if the current screen was completed without additional errors.

Press the Next button to continue.

Next

\$0.00 + (25¢)

## Simple Sudoku

Screen Number: 1

Below is a 4x4 variant of a puzzle called Sudoku. If you are already familiar with the game, please complete the puzzle. To interact with the Sudoku grid, click on a cell to select it and press a number key on the keyboard to change its value. Press **backspace** with a cell selected to erase its contents. Hint cells are indicated by their blue color and cannot be selected.

If you are unfamiliar with Sudoku, please skip this screen. Otherwise, successfully completing this puzzle will yield **\$0.25**. Each incorrect attempt will reduce the bonus by **\$0.01** down to **\$0.05**

	2		
			1
4			
		3	

Reset

Skip

Submit

\$0.00

# Sudoku Experience

Screen Number: 2

Have you heard of Sudoku before?

- Yes
- No
- Not sure

Have you ever attempted to solve a Sudoku puzzle?

- Yes
- No
- Not sure

About how many Sudoku puzzles have you successfully completed?

- None
- 1 to 3
- 4 to 6
- 7 to 9
- 10 or more

Submit

\$0.00

Screen Number: 3

This HIT is divided into three phases, each with varying task, feedback, and compensation structures.

**Tutorial:** compensated for completion; unlimited attempts to solve the tasks; detailed feedback upon error

**Practice:** 25 puzzles. 16¢ for correctly solved puzzles. Detailed feedback upon error

**Test:** 64 puzzles. 16¢ for correctly solved puzzles. No feedback upon error.

Press the Next button to continue.

Next

\$0.00

Screen Number: 4

Compensation for this HIT is strictly performance-based according to the number of puzzles you solve.

Instruction and feedback are only available in the early parts of the experiment. It is strongly recommended that you **fully understand the material during the tutorial phase** to maximize your earnings.

Press the Next button to continue.

Next

\$0.00

Screen Number: 5

Please type the following exactly.

I understand that, after the tutorial,  
I will only be compensated for  
puzzles that I solve correctly on  
the first attempt.

Submit

\$0.00

## What is Sudoku?

Screen Number: 6

Sudoku is a puzzle with a 9x9 grid of numbers where each row, column, and 3x3 box must contain exactly one of each number from 1 to 9.

The **row** in the grid below does not contain every number between 1 and 9, but rather contains two copies of the digit **7**, forming a contradiction. Select the two cells that create this contradiction.

4	2	8	3	9	1	7	5	7

Reset

Submit

\$0.00

## Tutorial

Screen Number: 7

One of the **7**s forming the contradiction has been removed. Fill in the missing number in the **green cell** so that the row contains every number between 1 and 9.

Input the correct digit by clicking the **green cell** and pressing the corresponding key on the keyboard.

4	2	8	3	9	1	7	5	<span style="background-color: green;"> </span>

Reset

Submit

\$0.00

## Tutorial

Screen Number: 8

In this section, we will focus on the **green cell** and solve for its value by looking along the **blue row**.

Since the **blue row** must contain exactly one **6**, let's see if we can determine if the only place a **6** can go is in the **green cell**.

4	2					5		
		6						
						6		

Press the Next button to continue.

Next

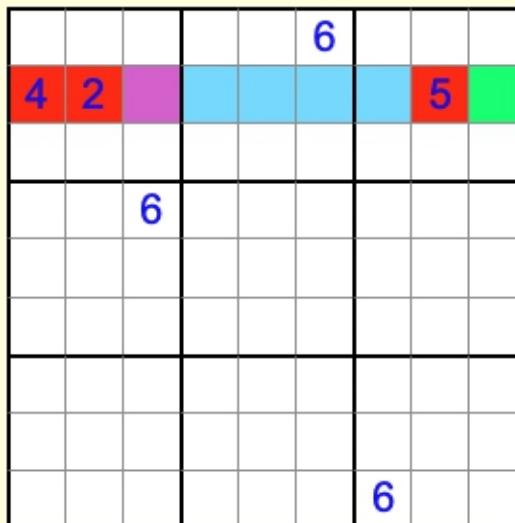
\$0.00

## Tutorial

Screen Number: 9

Obviously, a **6** cannot be in any of the **red cells** because they already contain numbers. Looking at the **purple cell**, we can see that there is a **6** in its **column**. This means that we can eliminate **6** as a possible candidate for the **purple cell**.

Select the **6** that is preventing the **purple cell** from being a **6**.



Reset

Submit

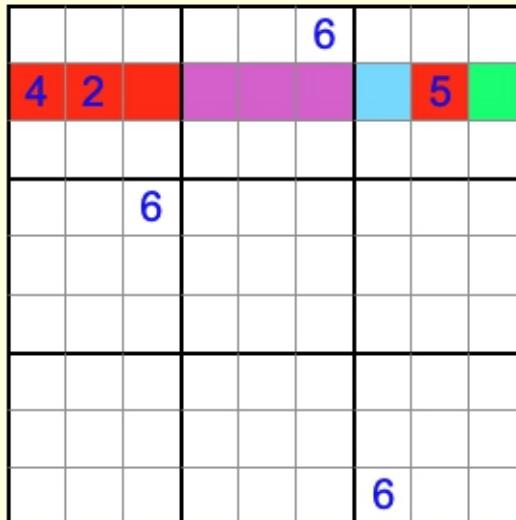
\$0.00

## Tutorial

Screen Number: 10

We've successfully eliminated four possible cells that could contain a **6**, now highlighted in **red**. Let's now consider the 3x3 box containing a **6** and the three **purple cells**. There can only be a single **6** in the box, so the existing **6** prevents the three **purple cells** from containing a **6**.

Select the **6** that is preventing the **purple cells** from being a **6**.



Reset

Submit

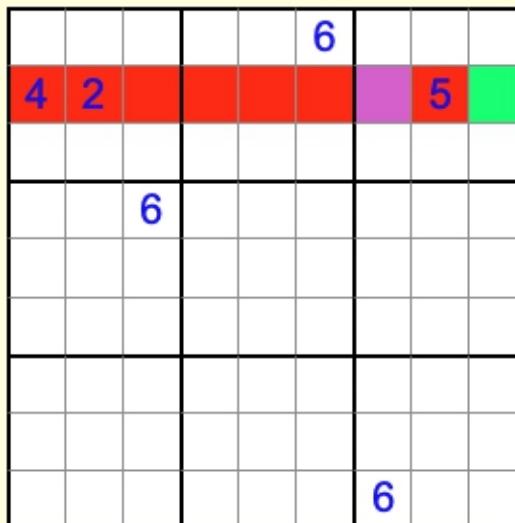
\$0.00

## Tutorial

Screen Number: 11

We have eliminated 7 cells (now highlighted in red) as possible candidates for **6** in the row containing the **green cell**, which means we now have only one other cell to eliminate before we can definitively conclude that the **green cell** is a **6**.

Select the **6** that is preventing the **purple cell** from being a **6**.



Reset

Submit

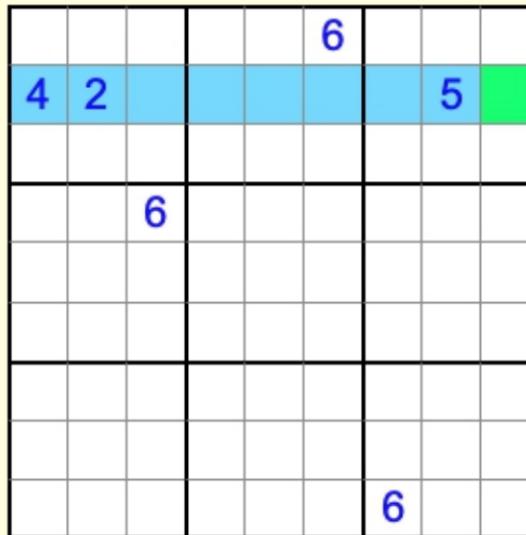
\$0.00 + (16¢)

## Tutorial

Screen Number: 12

We have successfully eliminated every cell in the **blue row** except for the **green cell** as potential candidates for **6**.

Fill in the **green cell** with the correct digit to solve this puzzle.



Reset

Submit

\$0.00

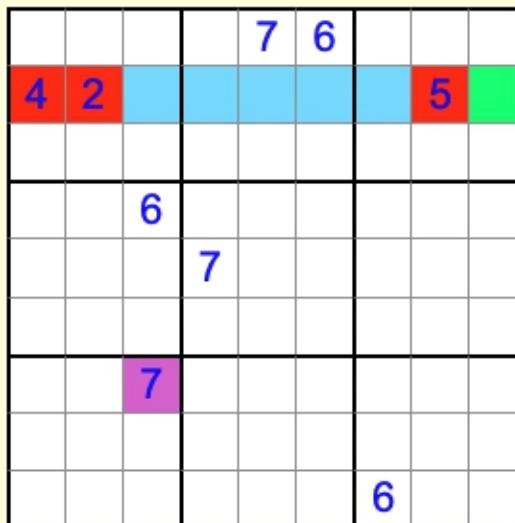
## Tutorial

Screen Number: 13

Below, we have the same puzzle as before except with a few **7**s added to the grid. Although we know that the green cell must contain a **6**, let's see why we cannot conclude that the **green cell** must contain a **7**.

We see that the **purple cell** below contains a **7**, which means any cell in its column cannot contain a **7**. In this case, it shares a column with one of the **blue cells**.

Select the **blue cell** that the **purple cell** prevents from containing a **7**.



Reset

Submit

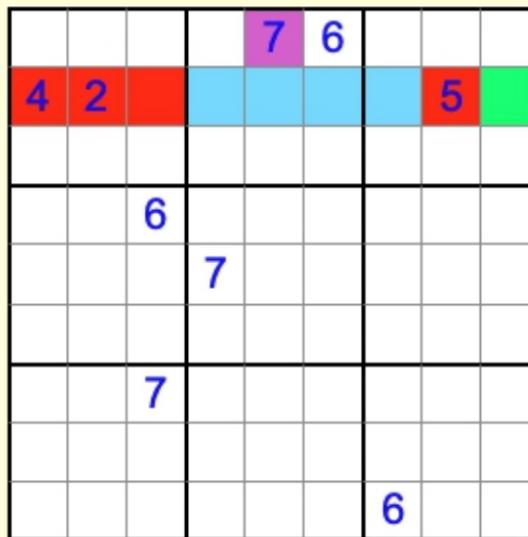
\$0.00

# Tutorial

Screen Number: 14

The **7** in the **purple cell** prevents any cell that it shares its 3x3 box with from being a **7**.

Select the three **blue cells** that the **purple cell** prevents from being **7s**.



Reset

Submit

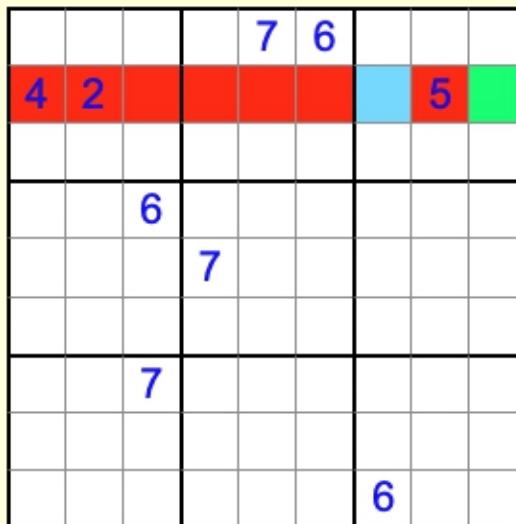
\$0.00

## Tutorial

Screen Number: 15

We have eliminated 7 cells (now highlighted in red) as possible candidates for 7 in the row containing the green cell. If we could conclude that the last remaining blue cell cannot be a 7, we could definitely conclude that the green cell is a 7.

However, unlike in the case with the 6s, there are no 7s that share a row, column, or box with the last empty blue cell, which means we cannot rule out the possibility that the blue cell is a 7. Since either the blue cell or the green cell can be a 7, we cannot be certain which one would be the 7.



Press the Next button to continue.

Next

\$0.00

## Tutorial

Screen Number: 16

Below, we can see that exploring **6** (grid on left) successfully eliminated every cell in the row as potential candidates for **6** whereas exploring **7** (grid on right) left another empty cell as a potential candidate for **7** (highlighted blue).

Therefore, we cannot conclude that the green cell must be a **7** but can conclude that it must be a **6**.

Exploring 6								
			7	6				
4	2				5			
	6							

Exploring 7								
			7	6				
4	2				5			
	6							

Press the Next button to continue.

Next

\$0.00

## Phase 1

Screen Number: 17

In this phase, you will be presented with **25** puzzles. You will have **120** seconds and a single attempt to solve each puzzle.

Solving the puzzle on the **first attempt** will yield **16¢**.

Using more than one attempt to solve solve the puzzle will yield nothing. However, a short explanation will be provided for incorrect attempts.

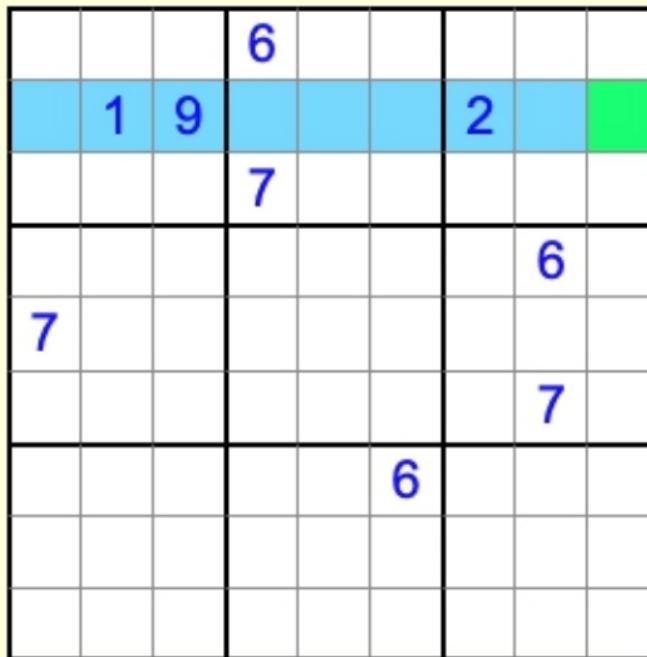
Press the Next button to continue.

Next

\$0.00 + (16¢)

# Phase 1: Puzzle 1

Screen Number: 18



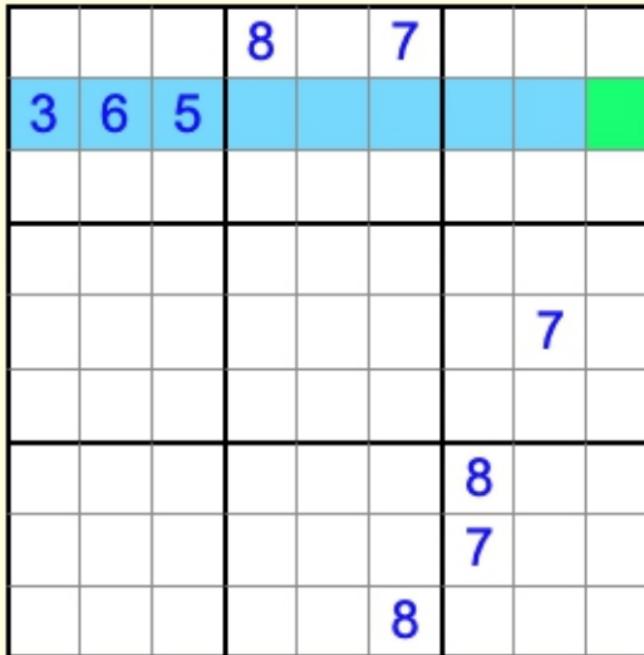
Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 2

Screen Number: 19



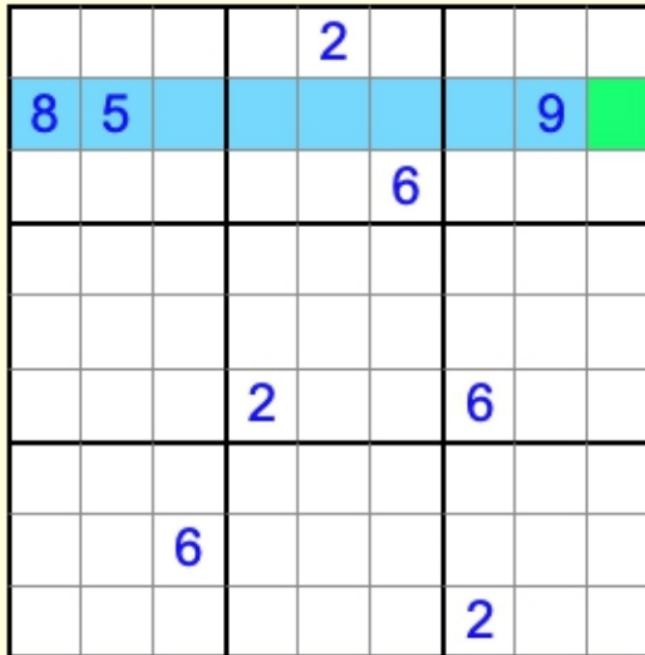
Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 3

Screen Number: 20



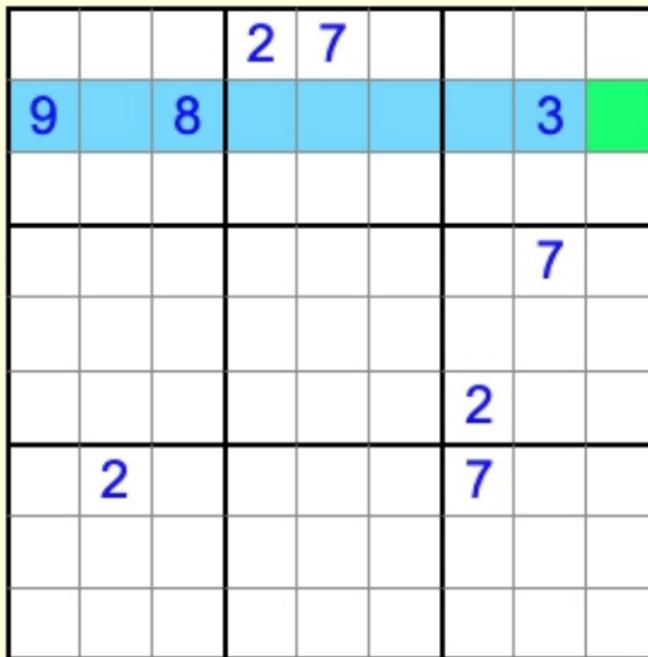
Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 4

Screen Number: 21



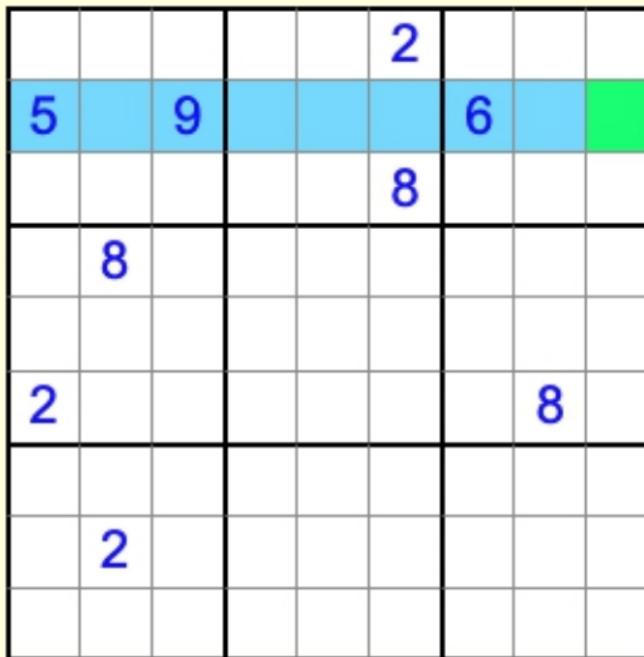
Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 5

Screen Number: 22



Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 6

Screen Number: 23

	8					4	9	
			6	2				
				2				
		6						
	6		2					

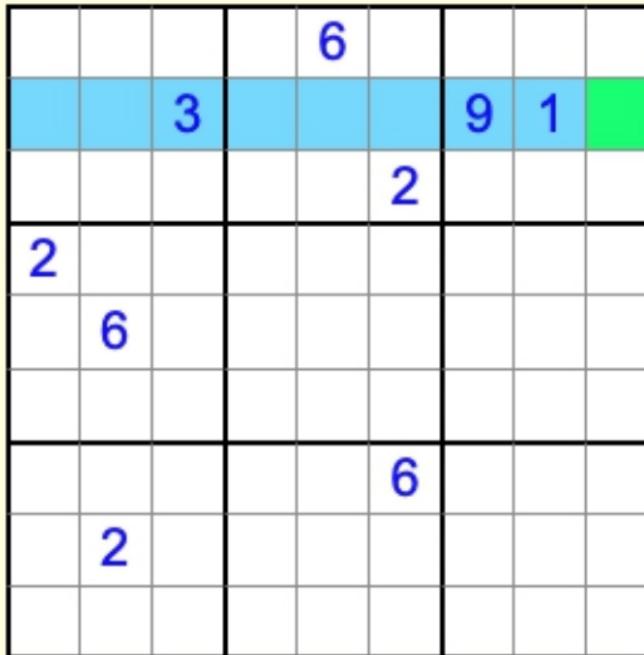
Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 7

Screen Number: 24



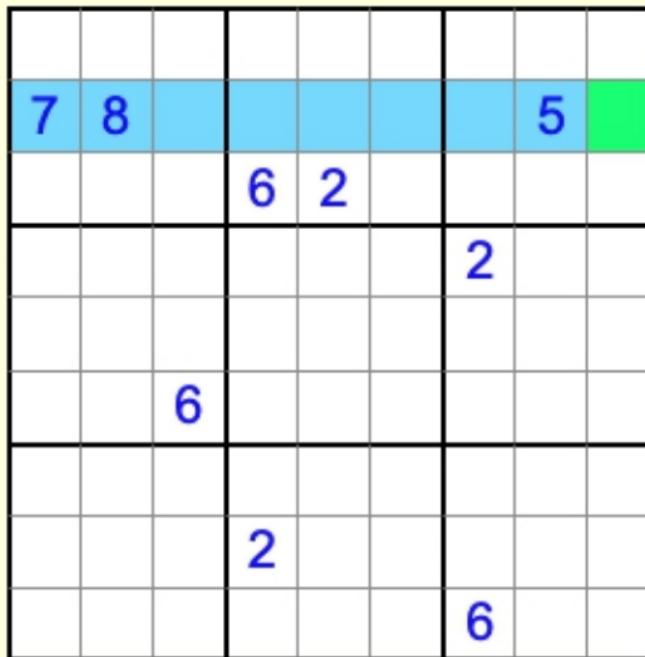
Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 8

Screen Number: 25



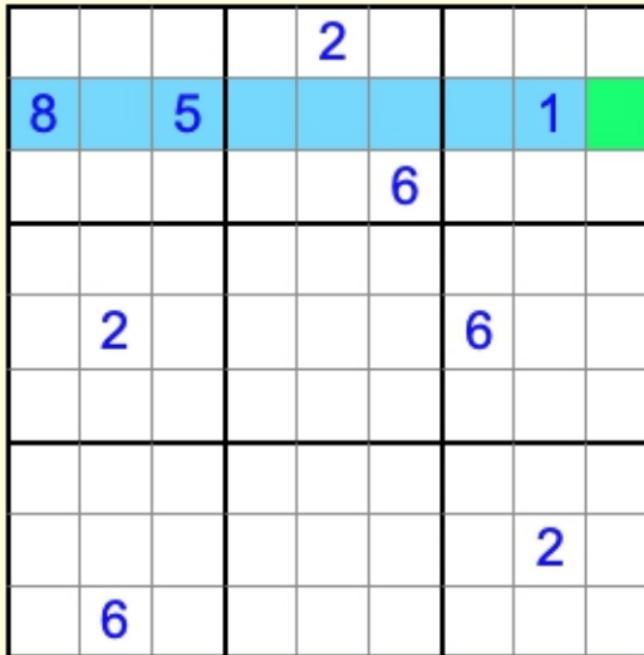
Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 9

Screen Number: 26



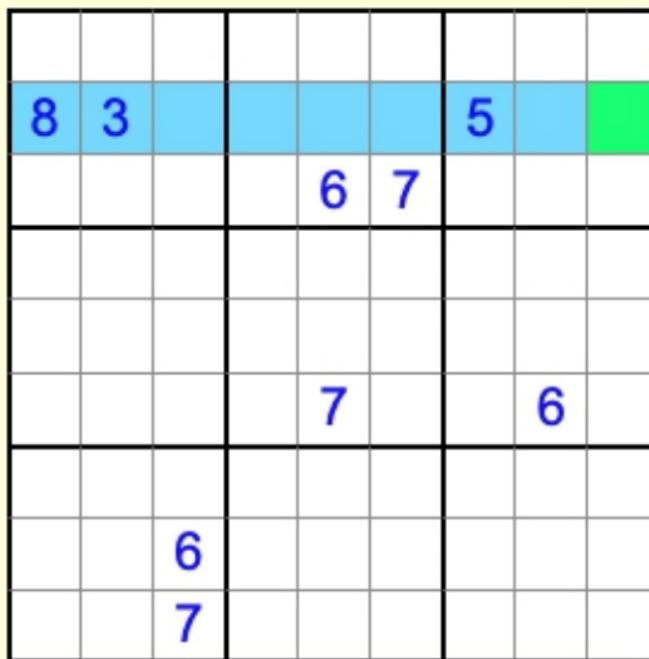
Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 10

Screen Number: 27



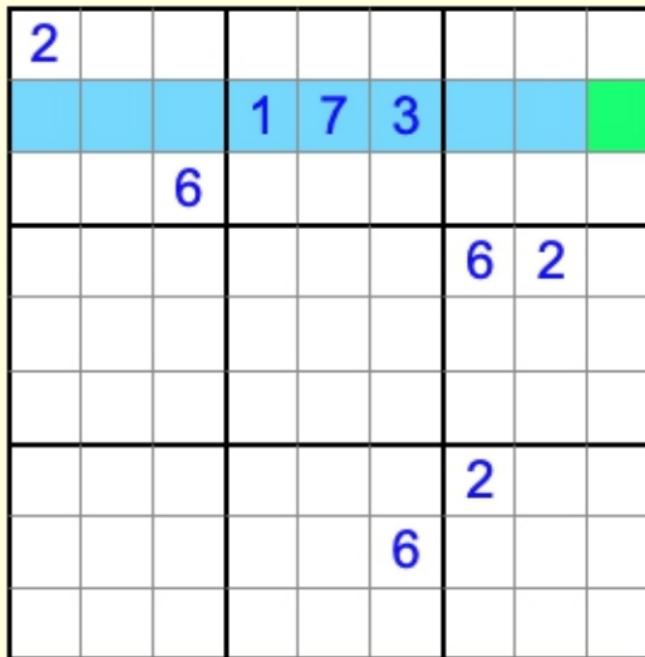
Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 11

Screen Number: 28



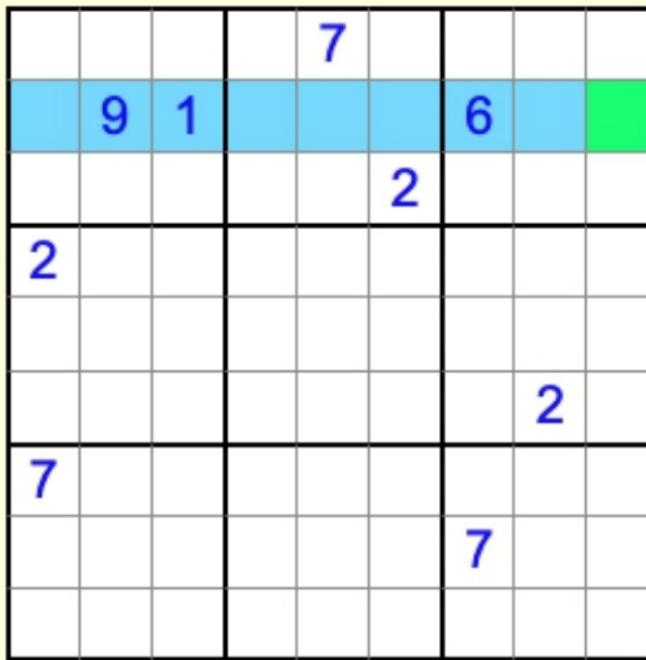
Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 12

Screen Number: 29



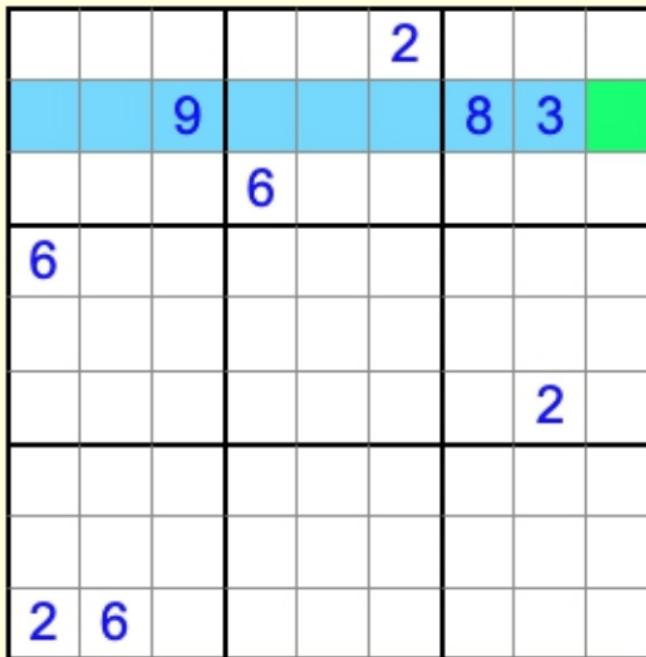
Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 13

Screen Number: 30



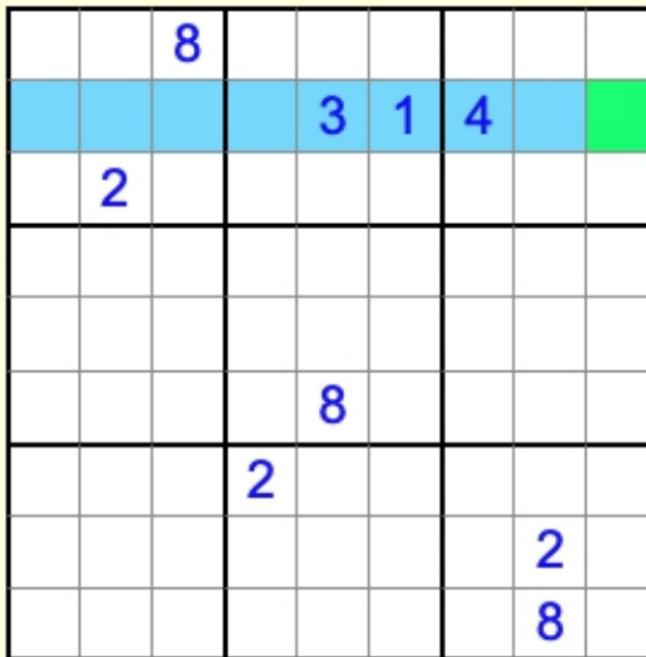
Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 14

Screen Number: 31



Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 15

Screen Number: 32

		2	7					
				4	6	1		
							7	
							2	
				7		2		

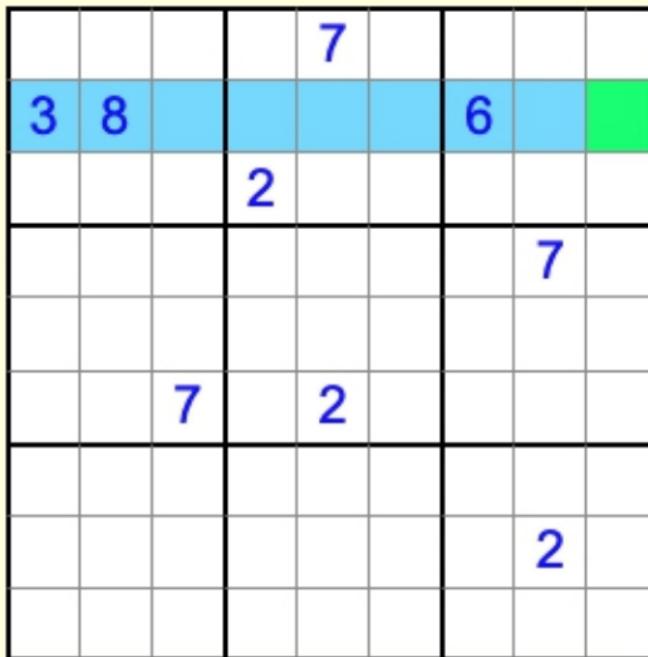
Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 16

Screen Number: 33



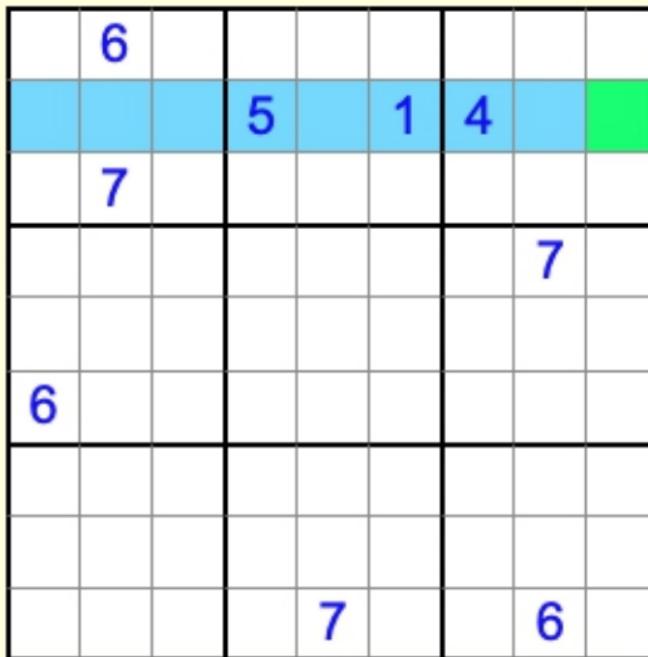
Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 17

Screen Number: 34



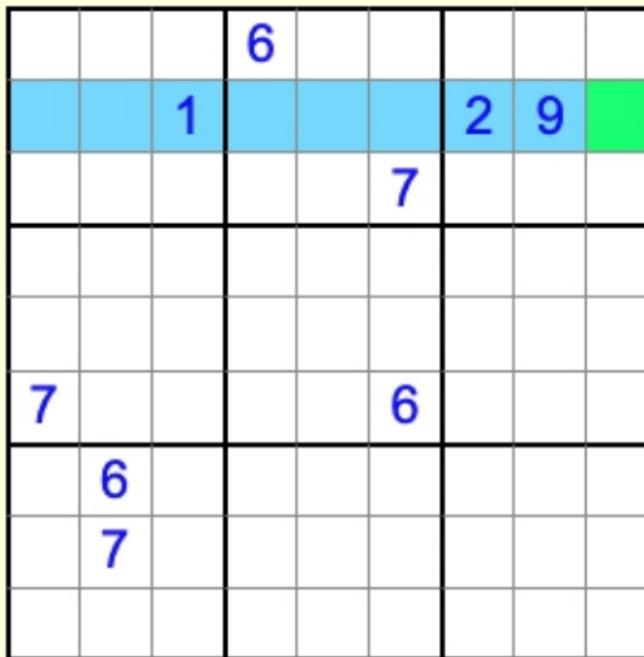
Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 18

Screen Number: 35



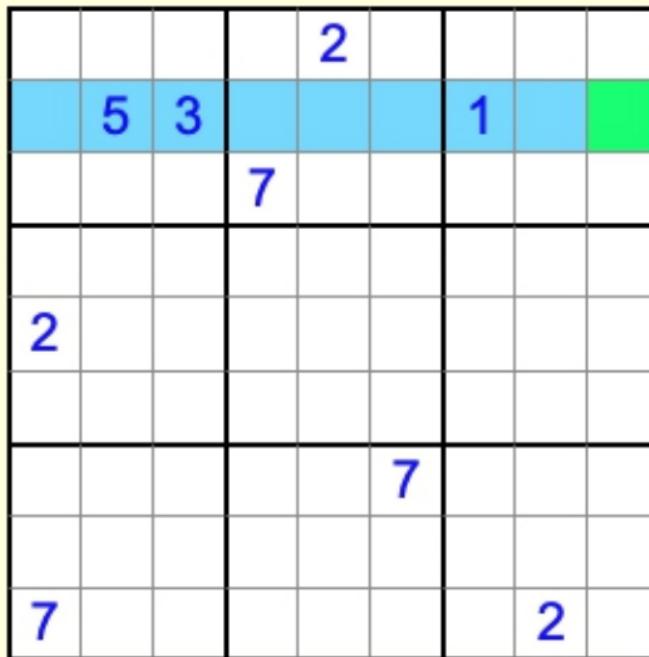
Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 19

Screen Number: 36



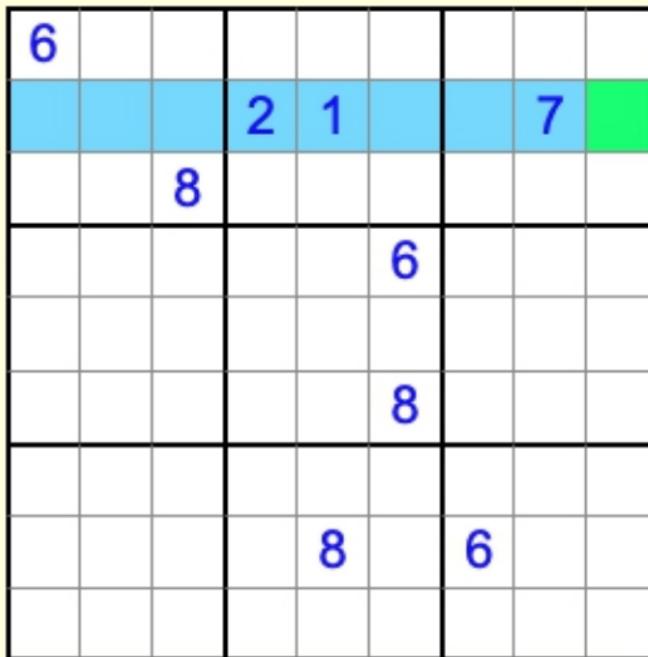
Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 20

Screen Number: 37



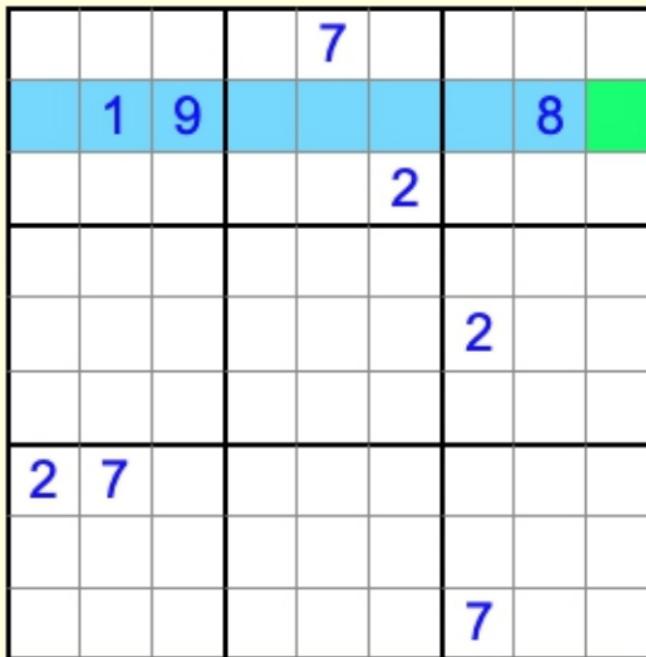
Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 21

Screen Number: 38



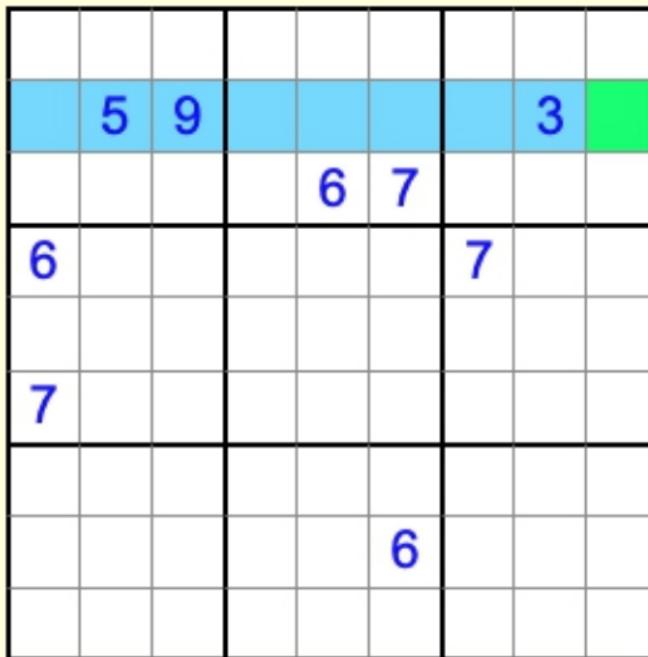
Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 22

Screen Number: 39



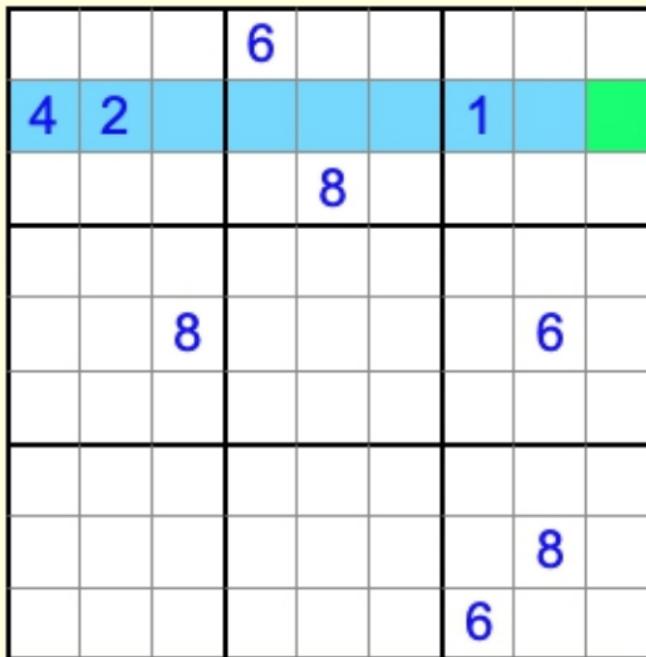
Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 23

Screen Number: 40



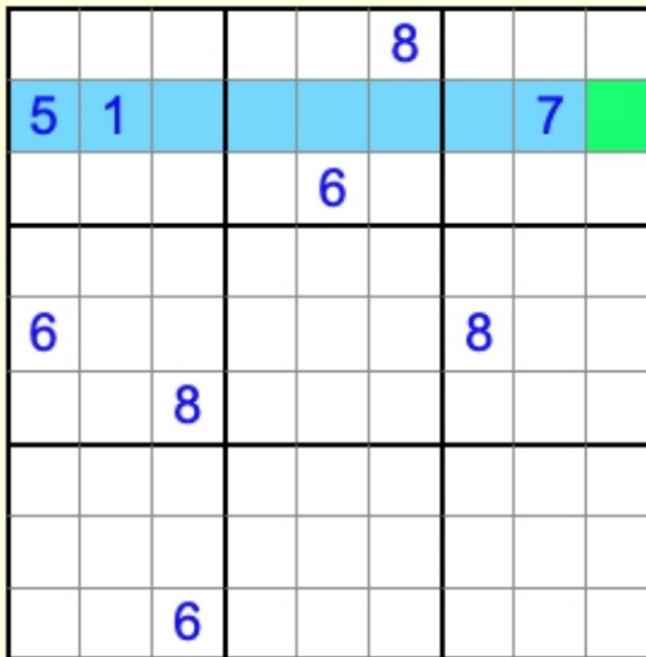
Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 24

Screen Number: 41



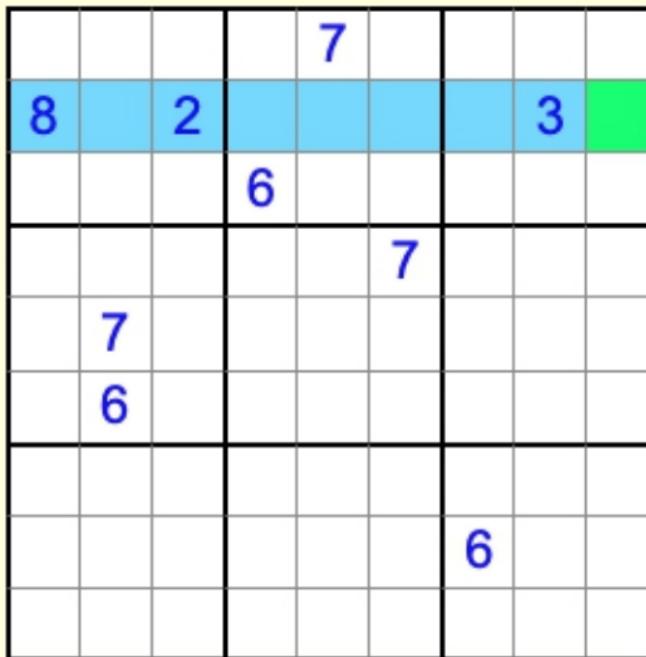
Reset

Submit

\$0.00 + (16¢)

# Phase 1: Puzzle 25

Screen Number: 42



Reset

Submit

\$0.00

## Phase 2

Screen Number: 43

In the following screens, you will be presented with **64** puzzles. You will have **120** seconds and a single attempt to solve each puzzle.

Solving the puzzle will yield **16¢**.

Failing to solve the puzzle will yield nothing and will pause the program for 10 seconds.

No feedback will be provided in this segment.

Press the Next button to continue.

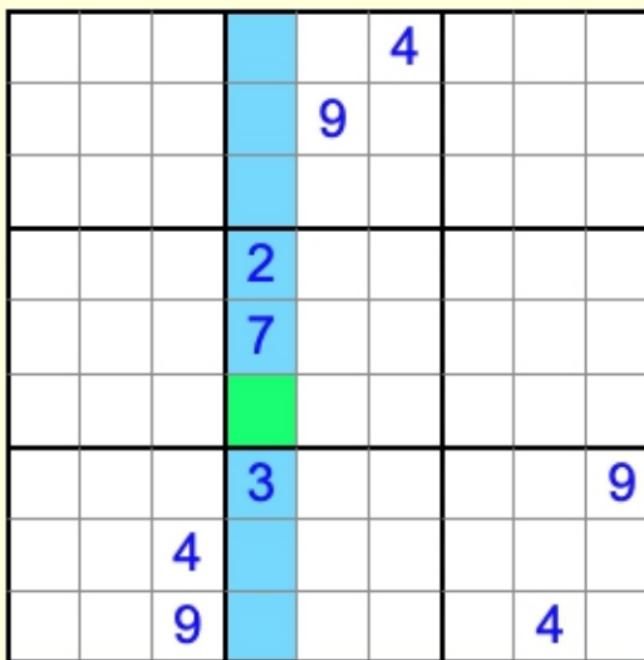
Next

\$0.00 + (16¢)

## Phase 2: Puzzle 1.1

02:00 / 02:00

Screen Number: 44



Reset

Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 1.2

02:00 / 02:00

Screen Number: 45


Reset

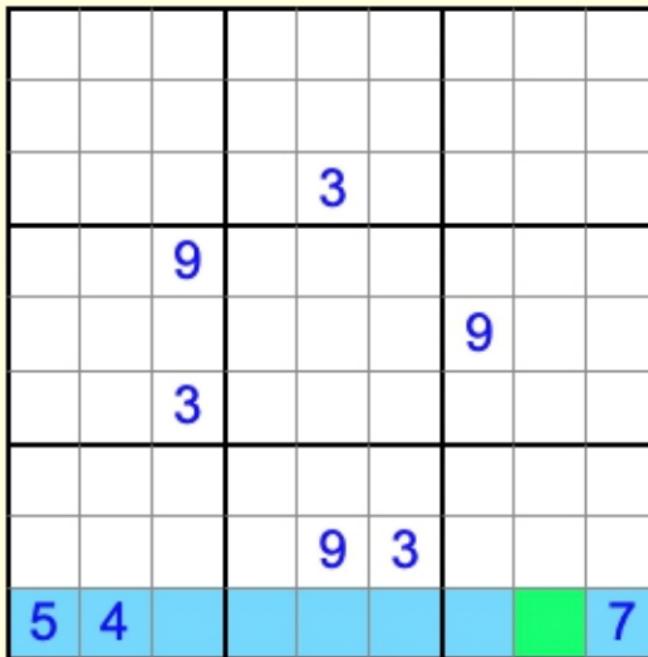
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 1.3

02:00 / 02:00

Screen Number: 46



Reset

Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 1.4

02:00 / 02:00

Screen Number: 47



Reset

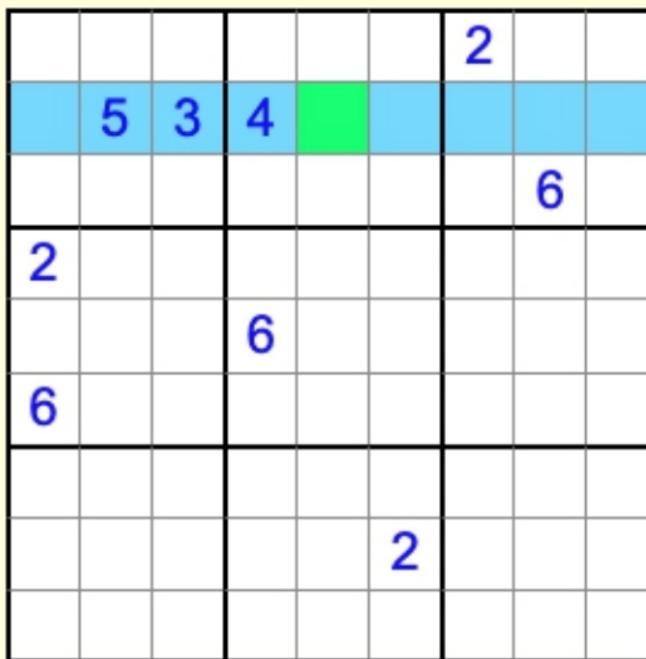
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 1.5

02:00 / 02:00

Screen Number: 48



Reset

Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 1.6

02:00 / 02:00

Screen Number: 49

	2							
			6		4	3		
	8							
8				2				
				2				
				8				

Reset

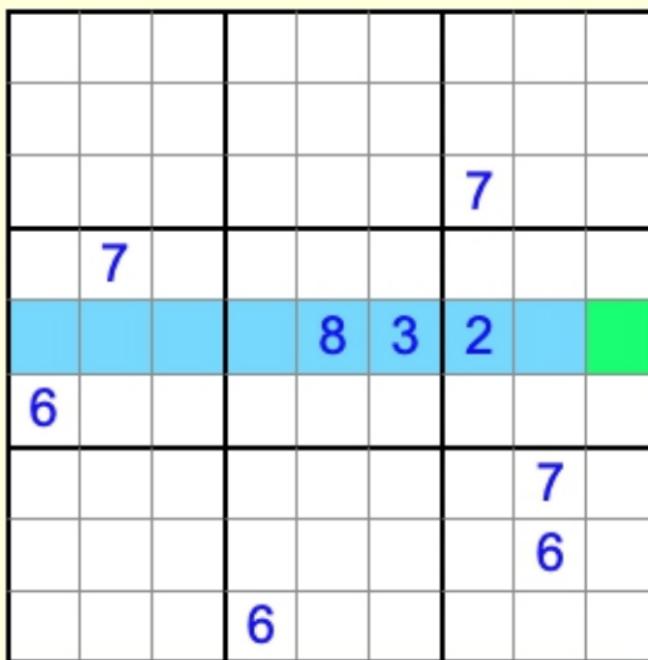
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 1.7

02:00 / 02:00

Screen Number: 50



Reset

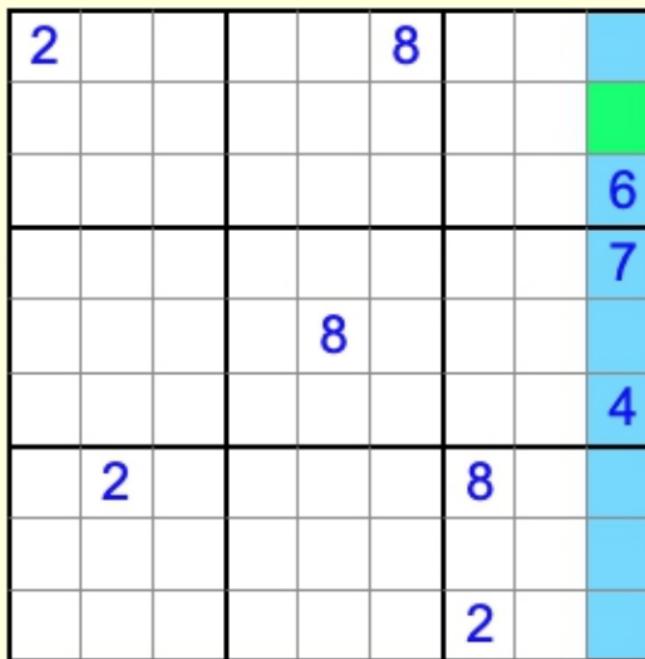
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 1.8

02:00 / 02:00

Screen Number: 51



Reset

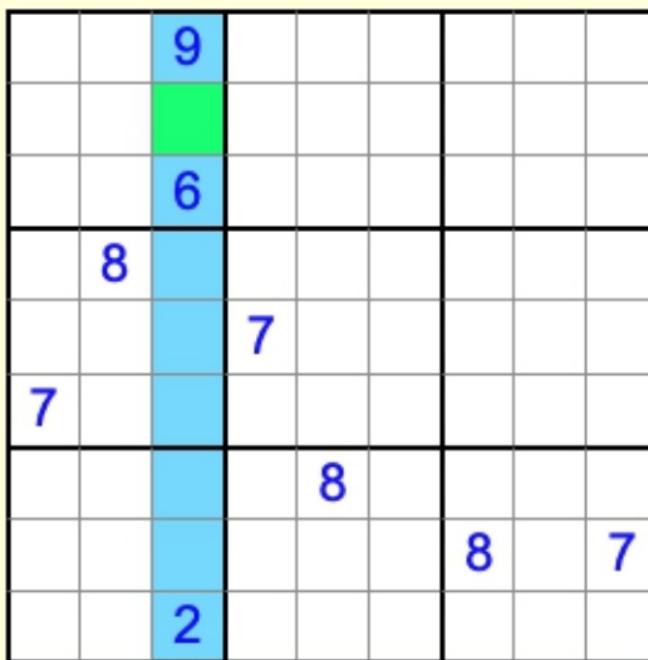
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 2.1

02:00 / 02:00

Screen Number: 52



Reset

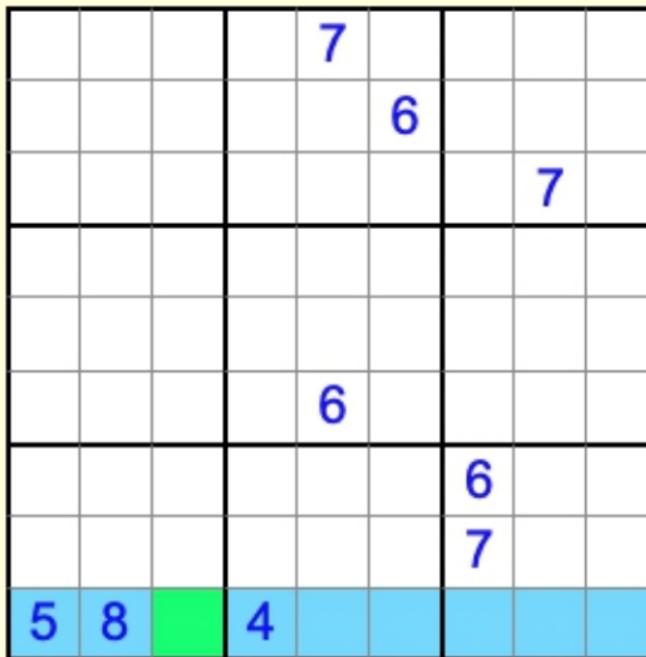
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 2.2

02:00 / 02:00

Screen Number: 53



Reset

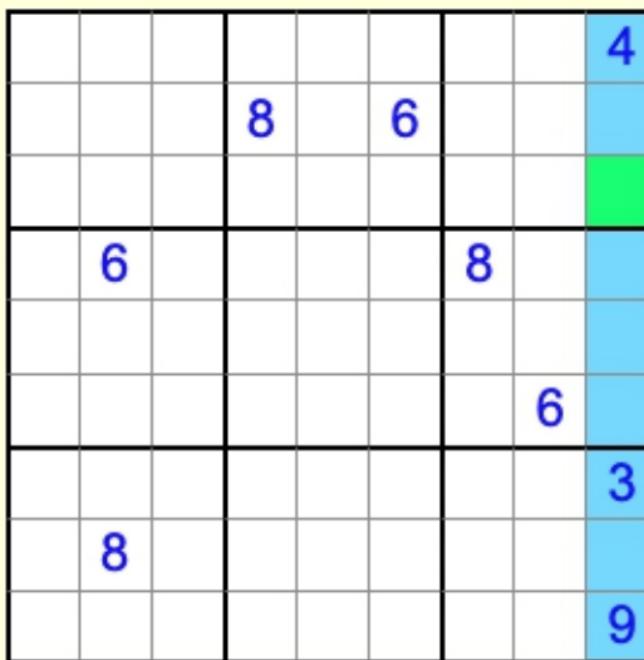
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 2.3

02:00 / 02:00

Screen Number: 54



Reset

Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 2.4

02:00 / 02:00

Screen Number: 55


Reset

Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 2.5

02:00 / 02:00

Screen Number: 56

			5			
9	6				2	
			4			
			5			
4						
5				4		

Reset

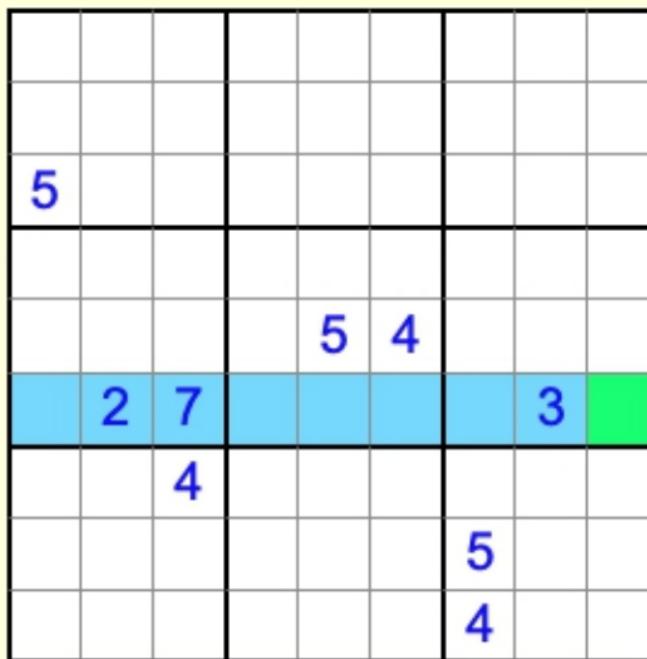
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 2.6

02:00 / 02:00

Screen Number: 57



Reset

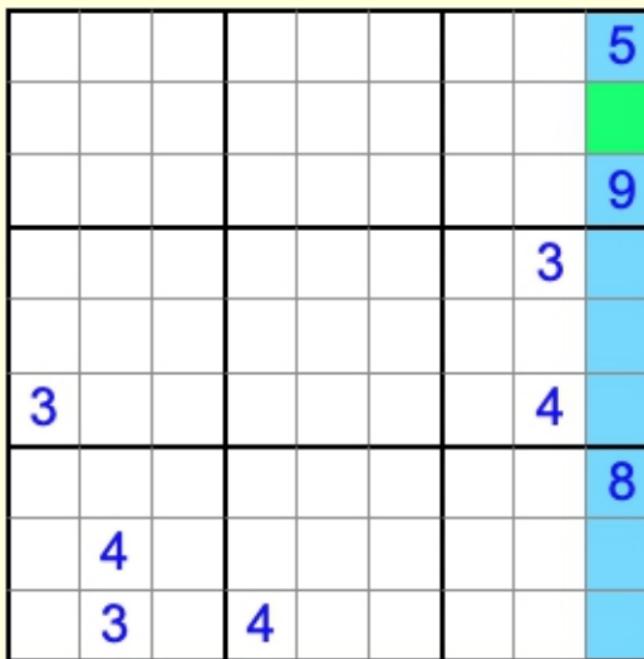
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 2.7

02:00 / 02:00

Screen Number: 58



Reset

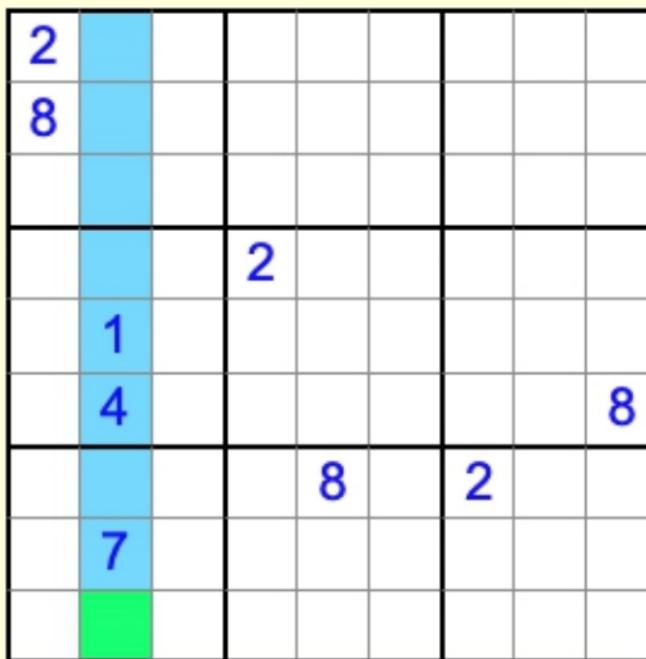
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 2.8

02:00 / 02:00

Screen Number: 59



Reset

Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 3.1

02:00 / 02:00

Screen Number: 60



Reset

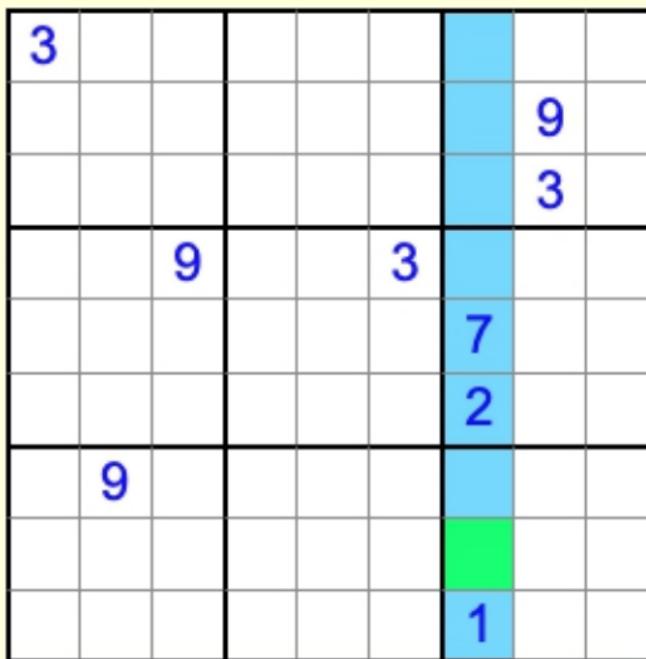
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 3.2

02:00 / 02:00

Screen Number: 61



Reset

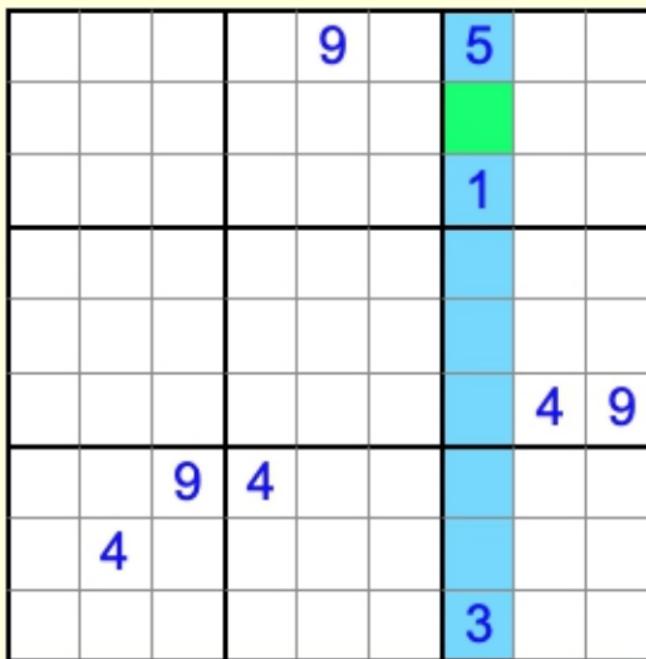
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 3.3

02:00 / 02:00

Screen Number: 62



Reset

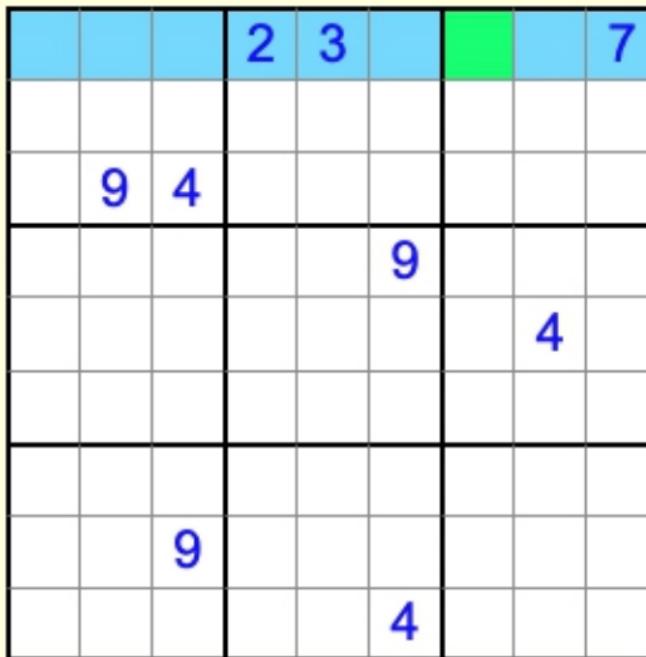
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 3.4

02:00 / 02:00

Screen Number: 63



Reset

Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 3.5

02:00 / 02:00

Screen Number: 64



Reset

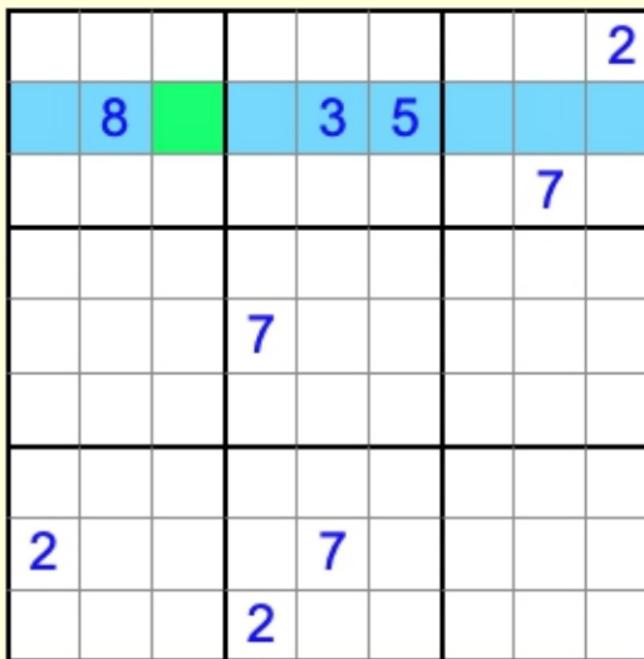
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 3.6

02:00 / 02:00

Screen Number: 65



Reset

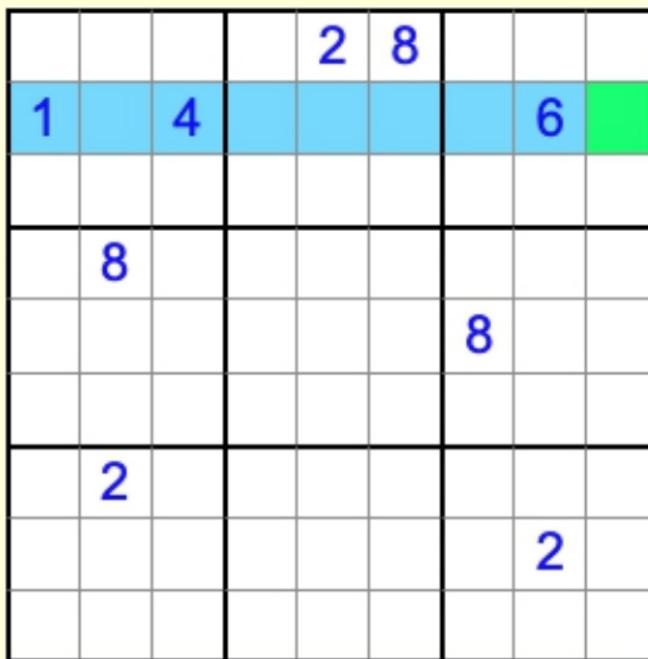
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 3.7

02:00 / 02:00

Screen Number: 66



Reset

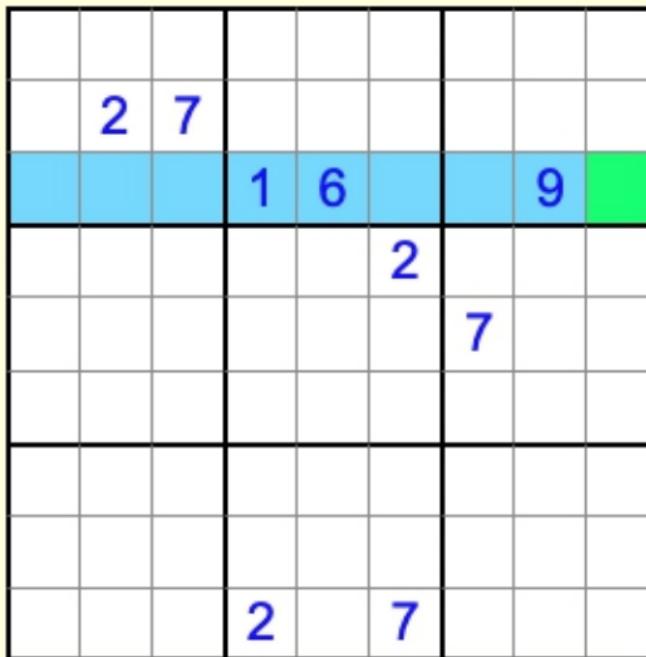
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 3.8

02:00 / 02:00

Screen Number: 67



Reset

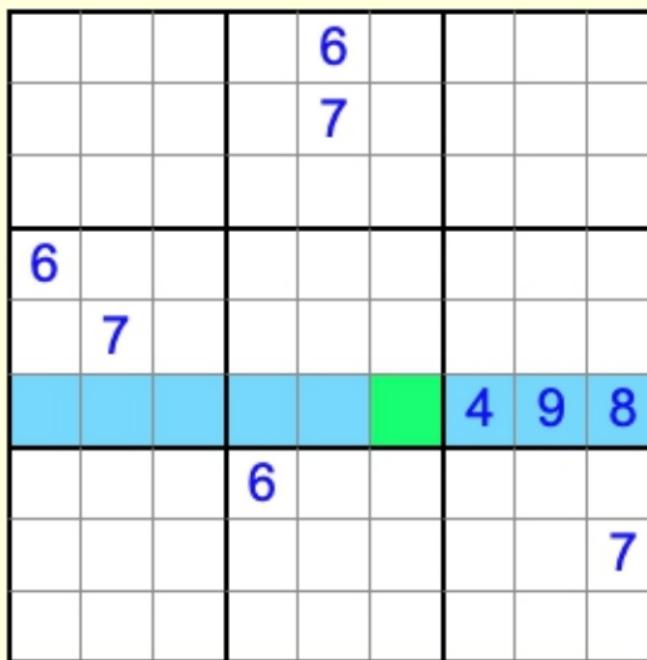
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 4.1

02:00 / 02:00

Screen Number: 68



Reset

Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 4.2

02:00 / 02:00

Screen Number: 69



Reset

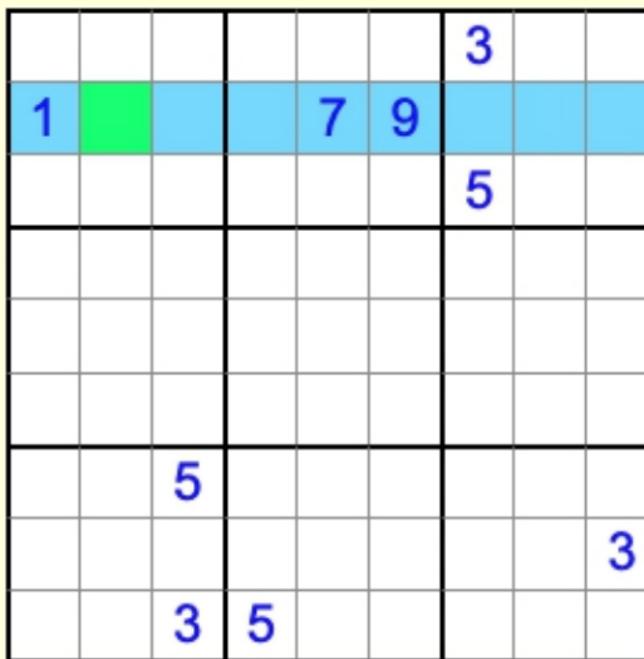
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 4.3

02:00 / 02:00

Screen Number: 70



Reset

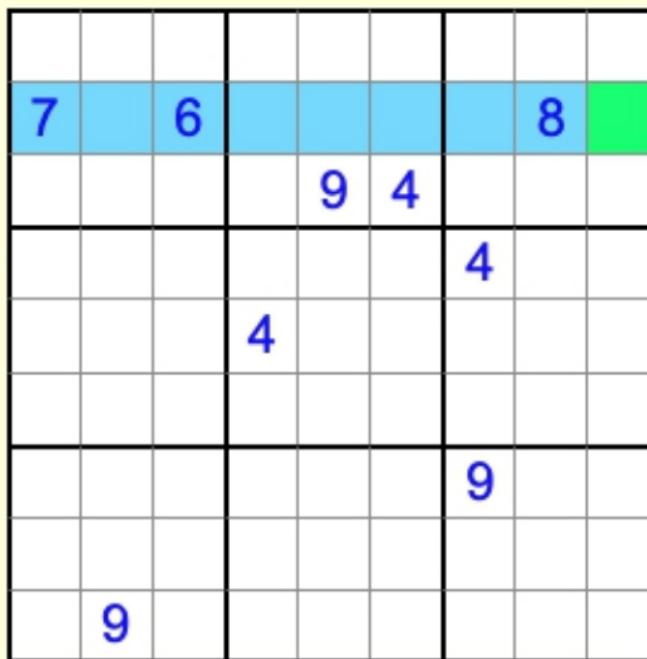
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 4.4

02:00 / 02:00

Screen Number: 71



Reset

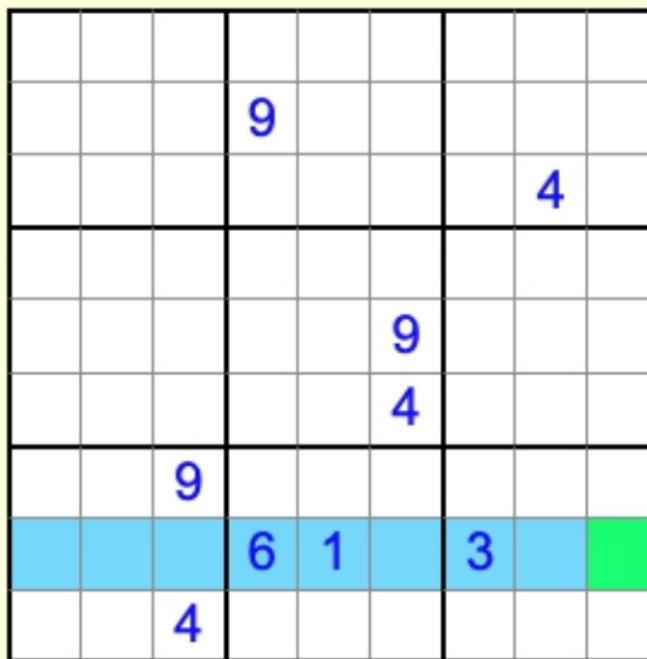
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 4.5

02:00 / 02:00

Screen Number: 72



Reset

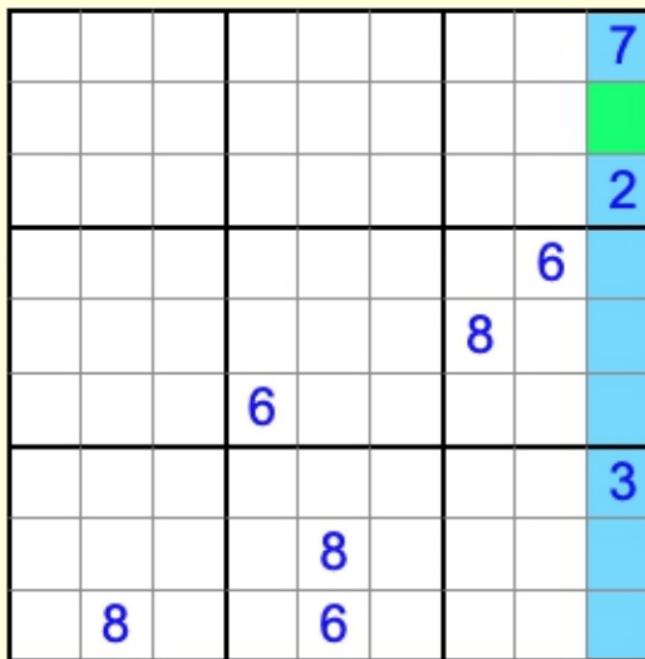
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 4.6

02:00 / 02:00

Screen Number: 73



Reset

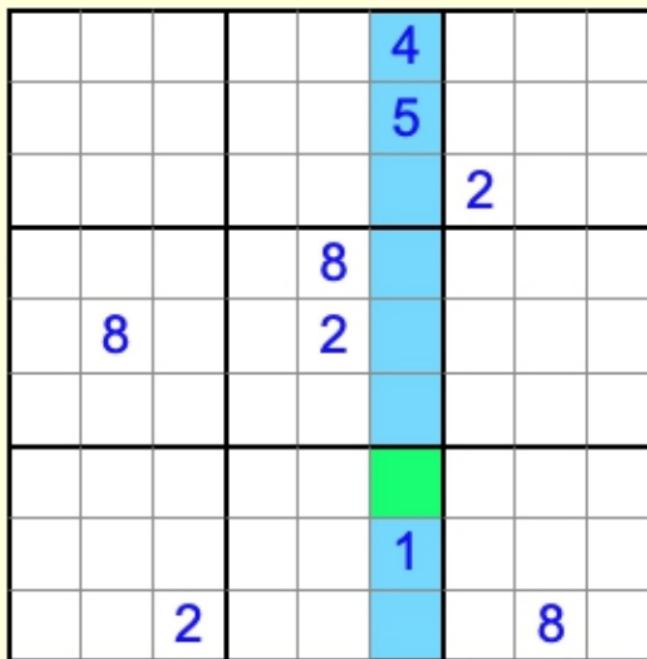
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 4.7

02:00 / 02:00

Screen Number: 74



Reset

Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 4.8

02:00 / 02:00

Screen Number: 75

3			2					
1								
	2							
			8					
4								
			8					
						2	8	

Reset

Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 5.1

02:00 / 02:00

Screen Number: 76



Reset

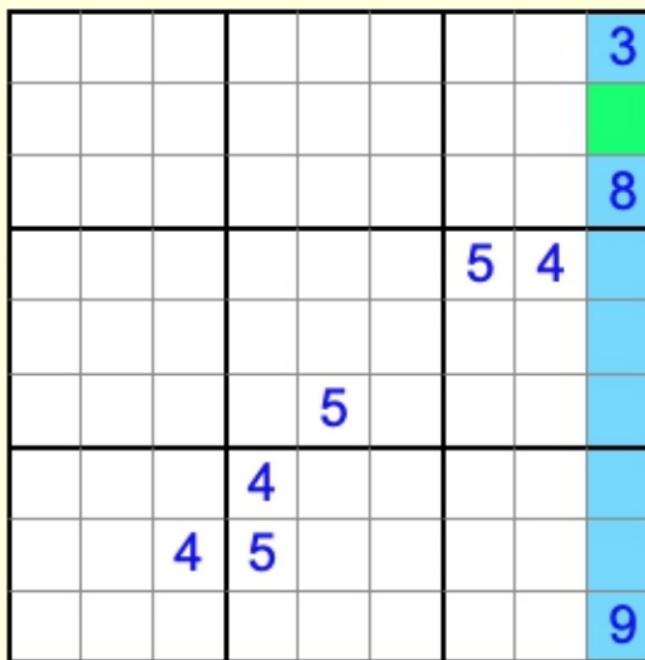
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 5.2

02:00 / 02:00

Screen Number: 77



Reset

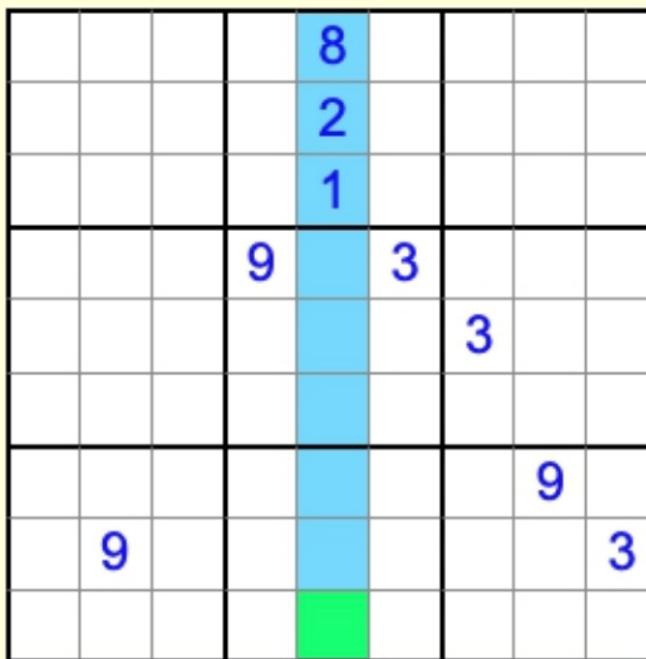
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 5.3

02:00 / 02:00

Screen Number: 78



Reset

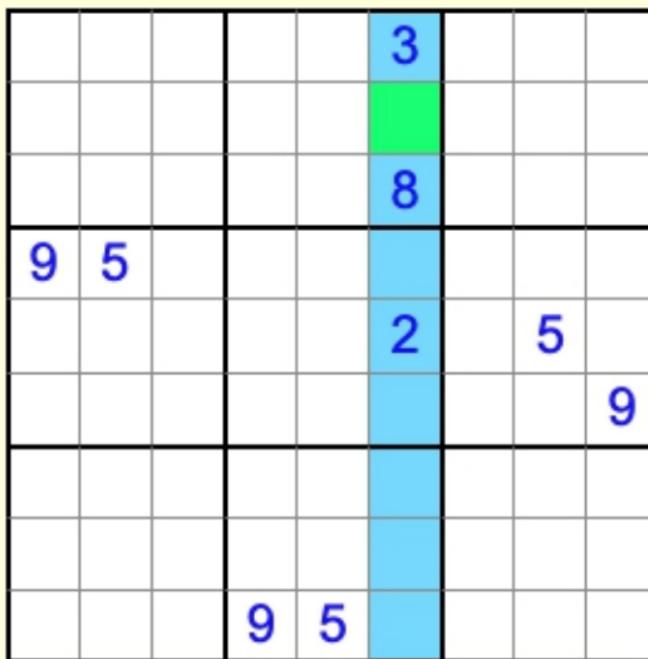
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 5.4

02:00 / 02:00

Screen Number: 79



Reset

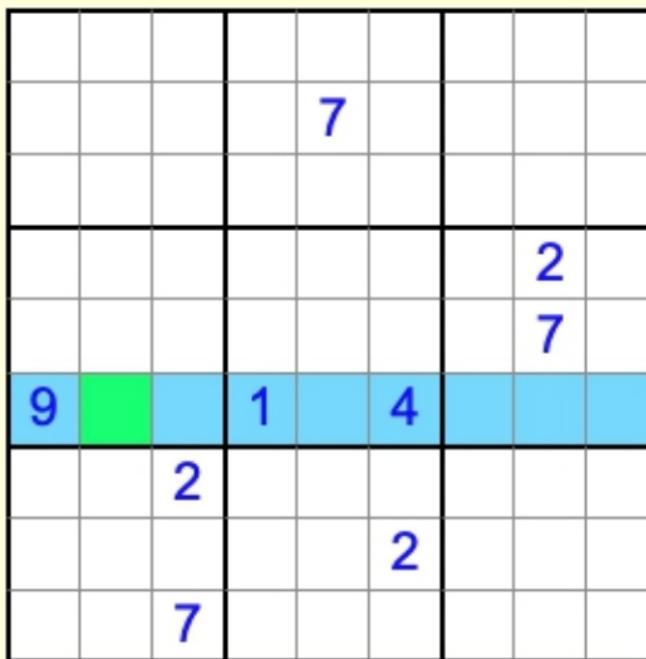
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 5.5

02:00 / 02:00

Screen Number: 80



Reset

Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 5.6

02:00 / 02:00

Screen Number: 81



Reset

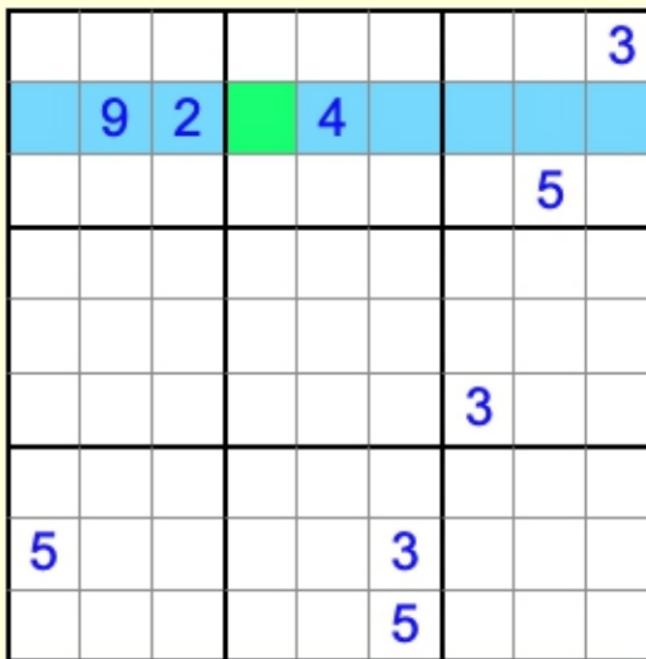
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 5.7

02:00 / 02:00

Screen Number: 82



Reset

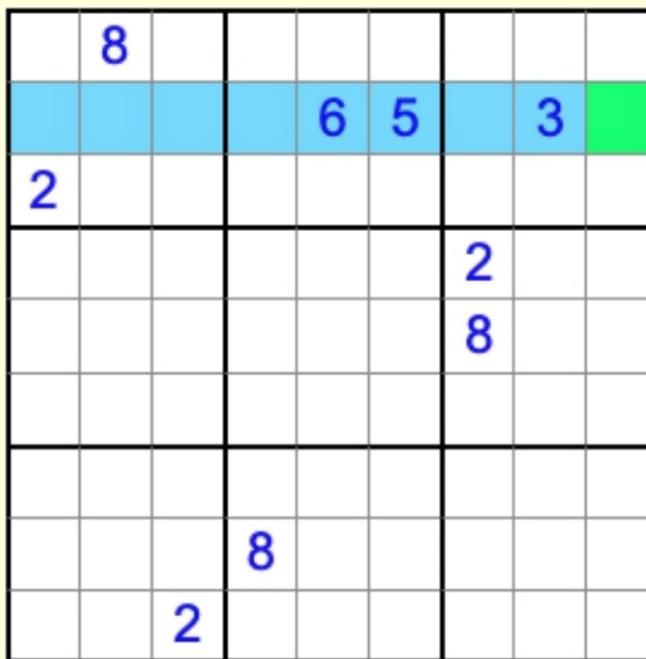
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 5.8

02:00 / 02:00

Screen Number: 83



Reset

Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 6.1

02:00 / 02:00

Screen Number: 84



Reset

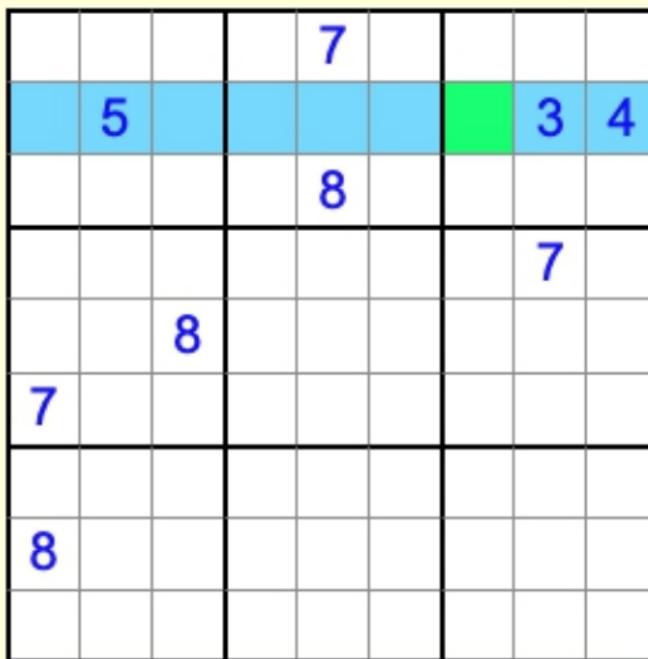
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 6.2

02:00 / 02:00

Screen Number: 85



Reset

Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 6.3

02:00 / 02:00

Screen Number: 86

	7					3	6	
			5		9			
9								
	5							
9								
5								

Reset

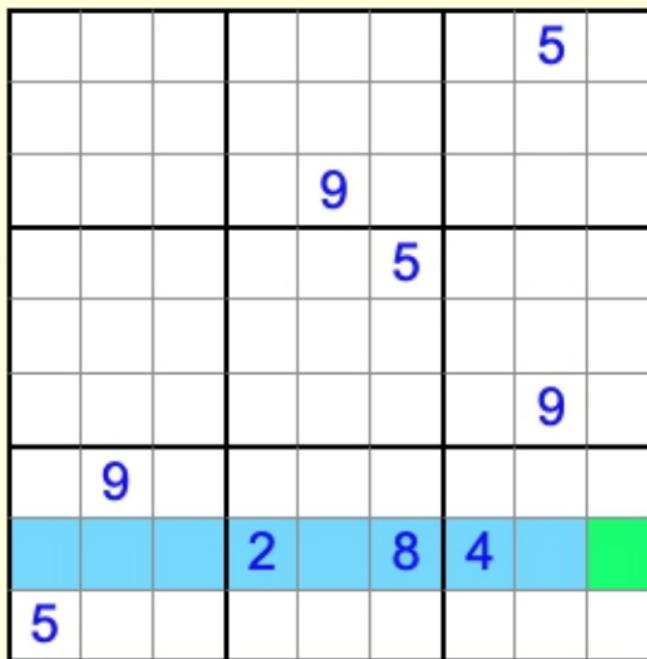
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 6.4

02:00 / 02:00

Screen Number: 87



Reset

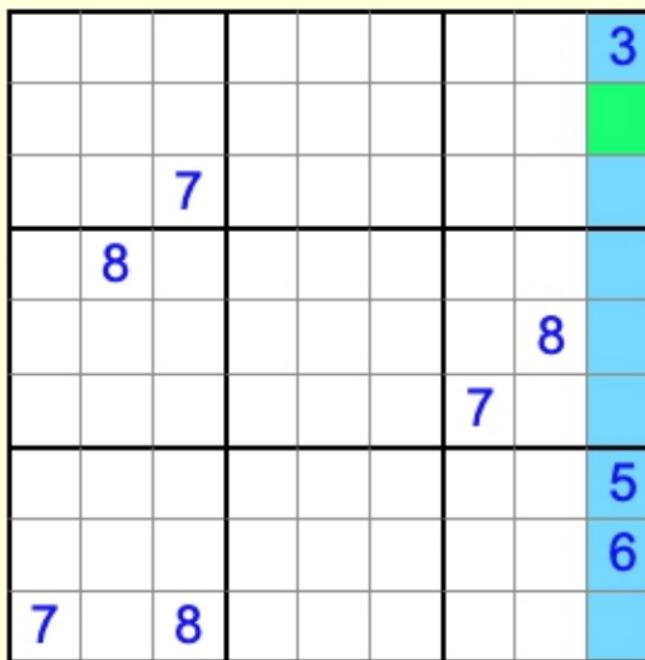
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 6.5

02:00 / 02:00

Screen Number: 88



Reset

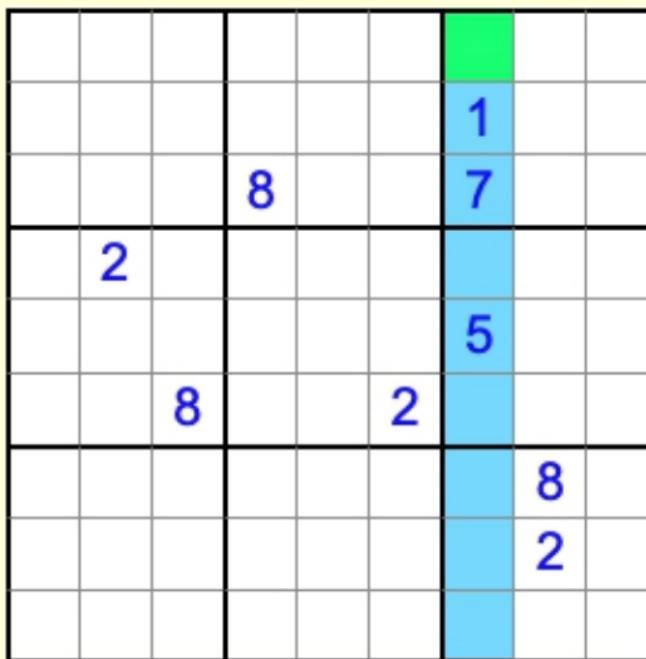
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 6.6

02:00 / 02:00

Screen Number: 89



Reset

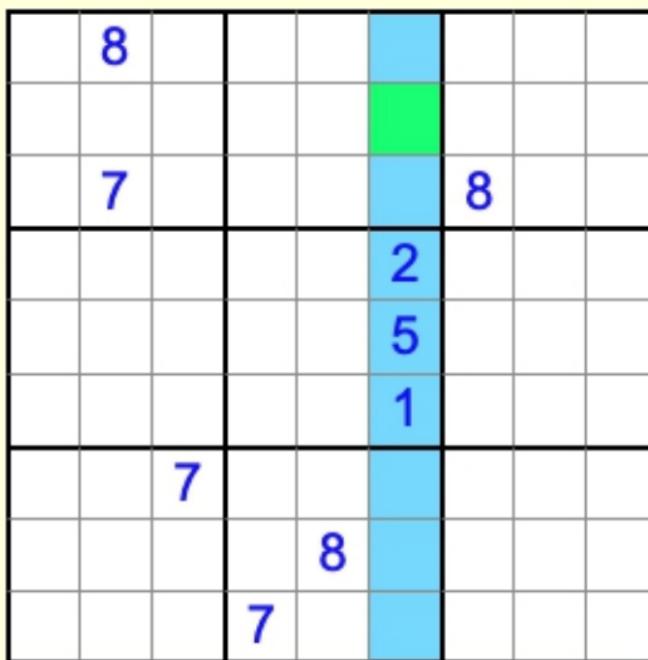
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 6.7

02:00 / 02:00

Screen Number: 90



Reset

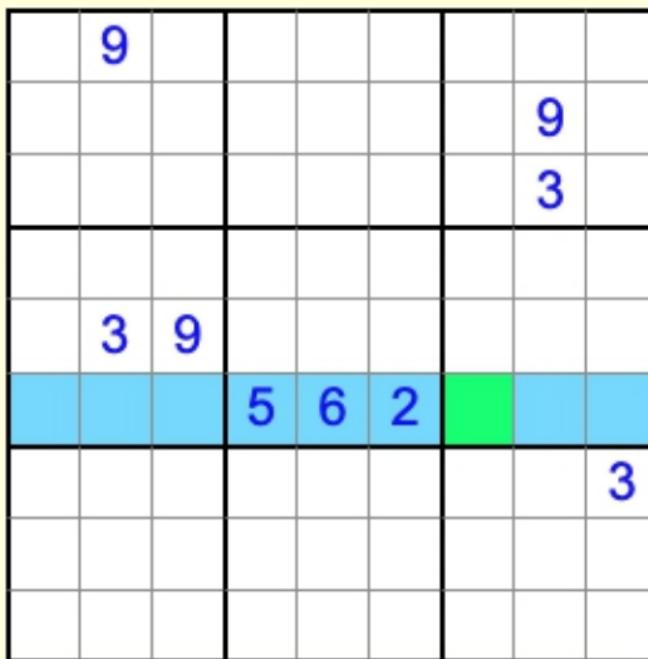
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 6.8

02:00 / 02:00

Screen Number: 91



Reset

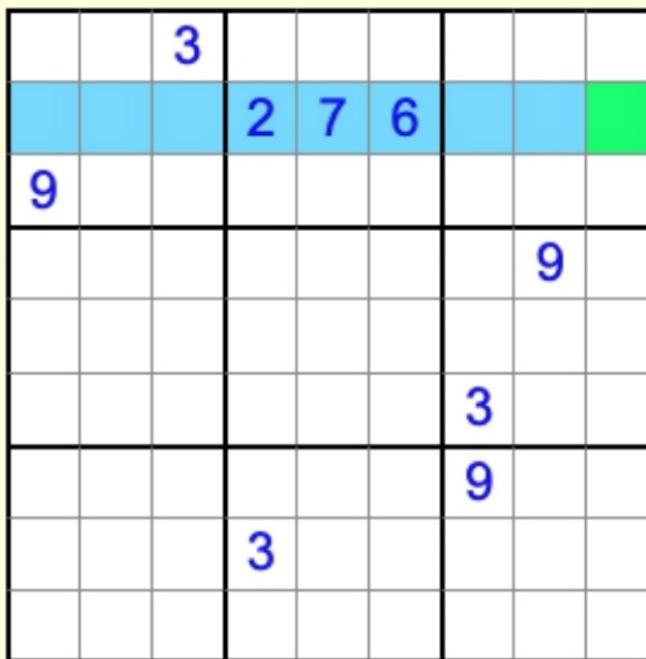
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 7.1

02:00 / 02:00

Screen Number: 92



Reset

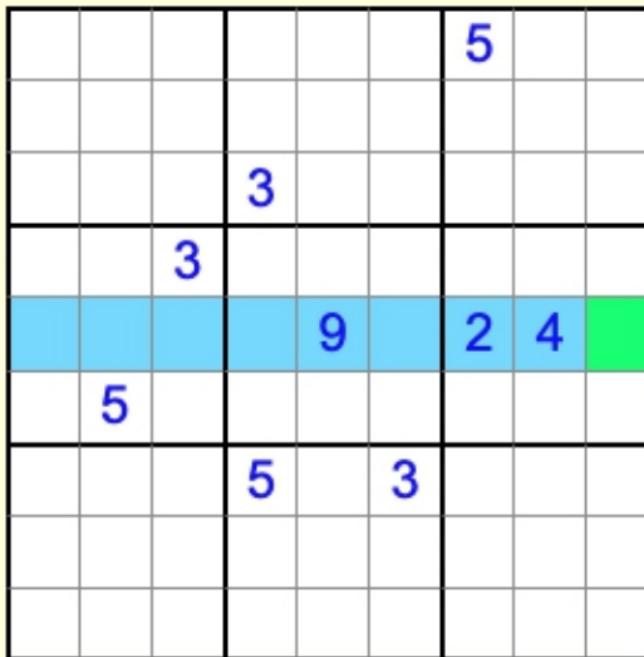
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 7.2

02:00 / 02:00

Screen Number: 93



Reset

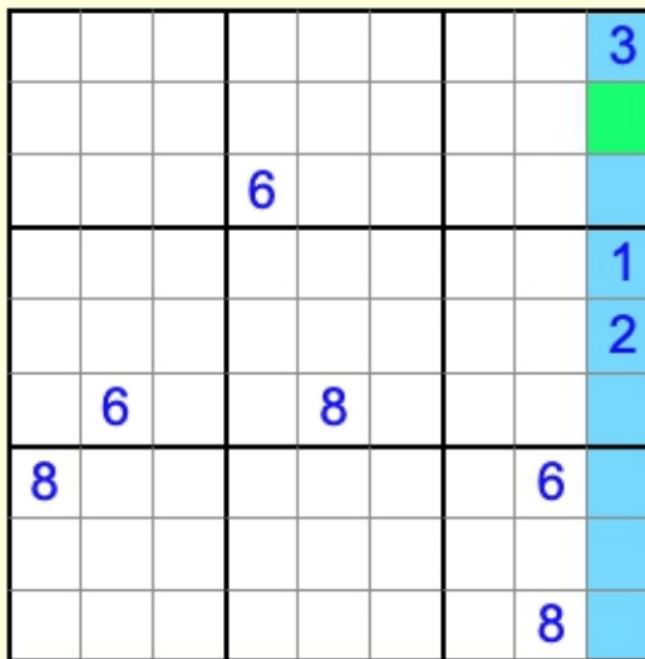
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 7.3

02:00 / 02:00

Screen Number: 94



Reset

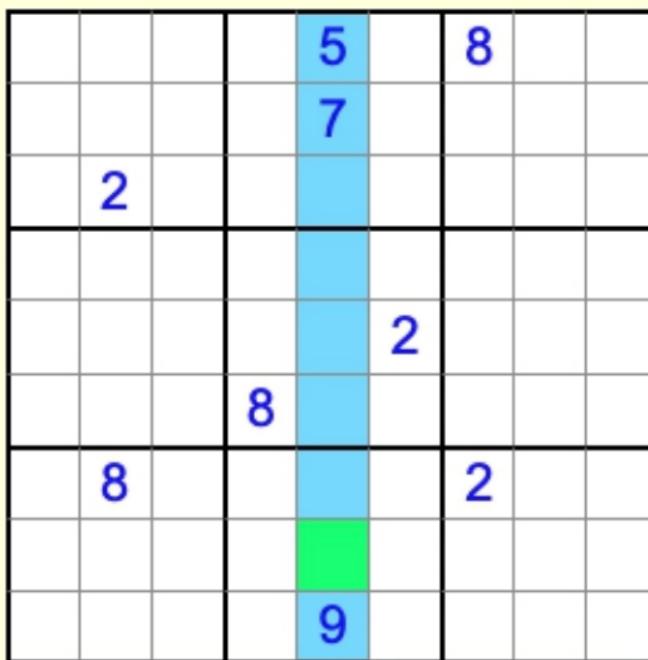
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 7.4

02:00 / 02:00

Screen Number: 95



Reset

Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 7.5

02:00 / 02:00

Screen Number: 96


A 9x9 grid puzzle. Colored cells are as follows: Row 1, Column 2 is light blue; Row 2, Columns 2 and 3 are light green; Row 3, Column 2 is light blue; Row 4, Columns 1 and 2 are light blue; Row 5, Column 1 is light blue; Row 6, Column 2 is light blue; Row 7, Column 2 is light blue; Row 8, Column 2 is light blue; Row 9, Column 2 is light blue. Other cells are white. Blue numbers are placed in some cells: Row 1, Column 5 is 5; Row 2, Column 4 is 4; Row 2, Column 5 is 9; Row 3, Column 5 is 5; Row 4, Column 5 is 5; Row 4, Column 8 is 5; Row 4, Column 9 is 9; Row 5, Column 2 is 3; Row 6, Column 5 is 9.

Reset

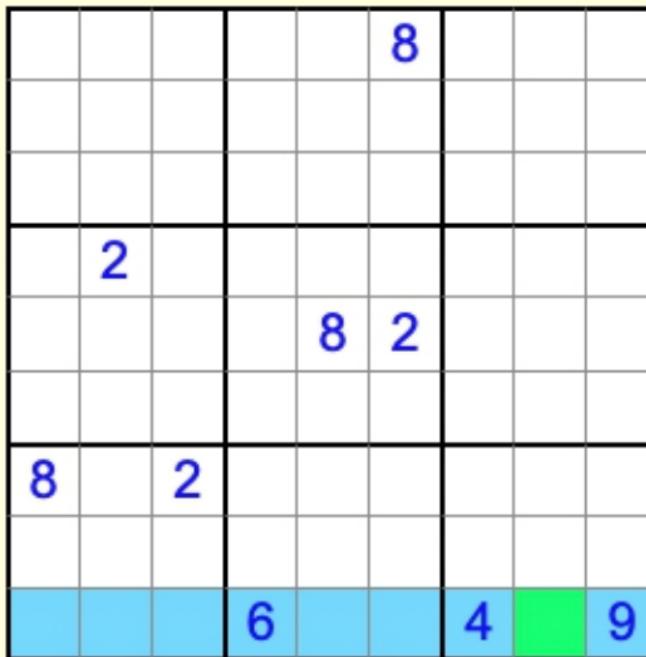
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 7.6

02:00 / 02:00

Screen Number: 97



Reset

Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 7.7

02:00 / 02:00

Screen Number: 98



Reset

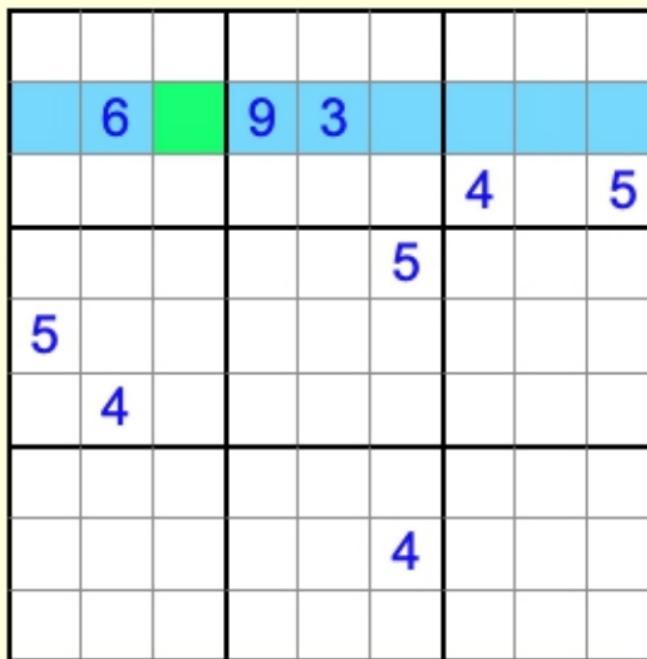
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 7.8

02:00 / 02:00

Screen Number: 99



Reset

Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 8.1

02:00 / 02:00

Screen Number: 100



Reset

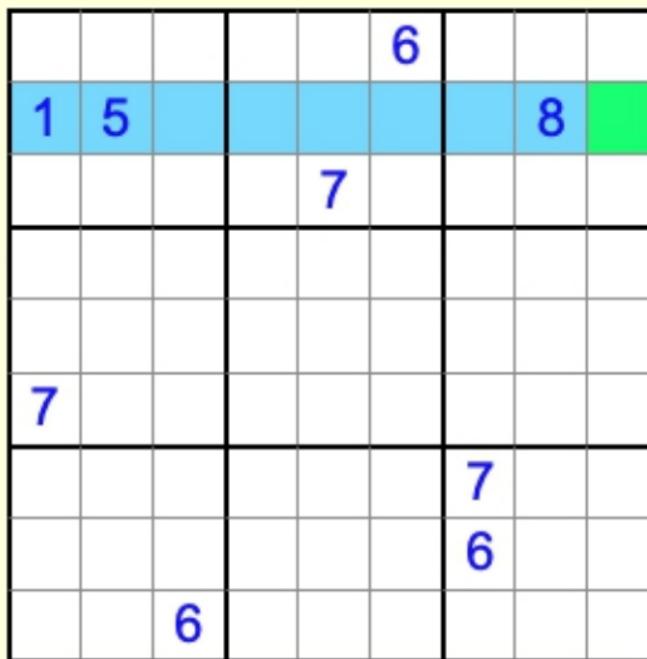
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 8.2

02:00 / 02:00

Screen Number: 101



Reset

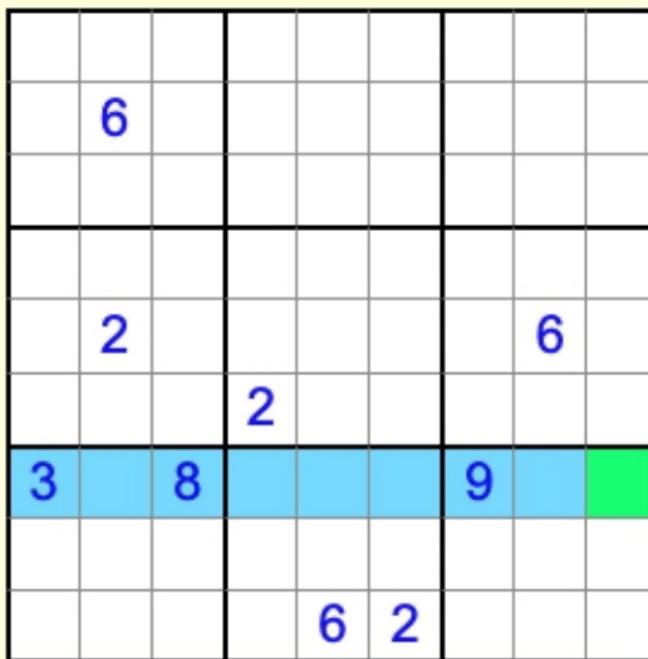
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 8.3

02:00 / 02:00

Screen Number: 102



Reset

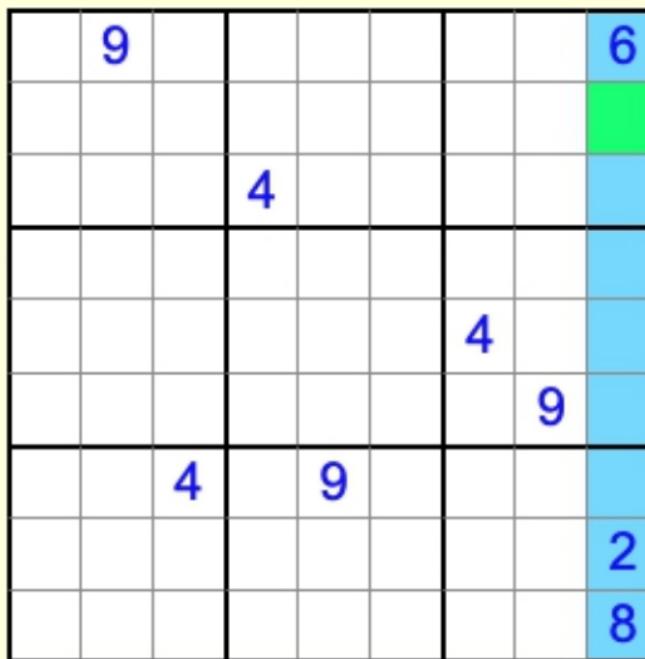
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 8.4

02:00 / 02:00

Screen Number: 103



Reset

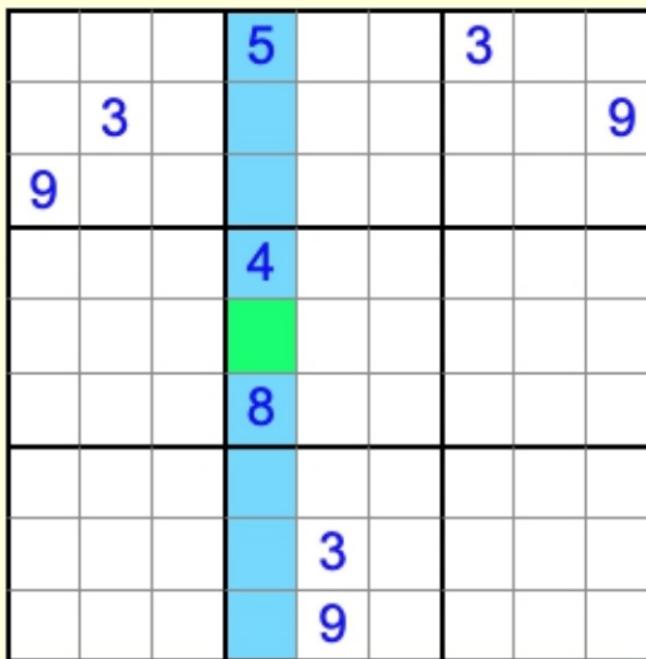
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 8.5

02:00 / 02:00

Screen Number: 104



Reset

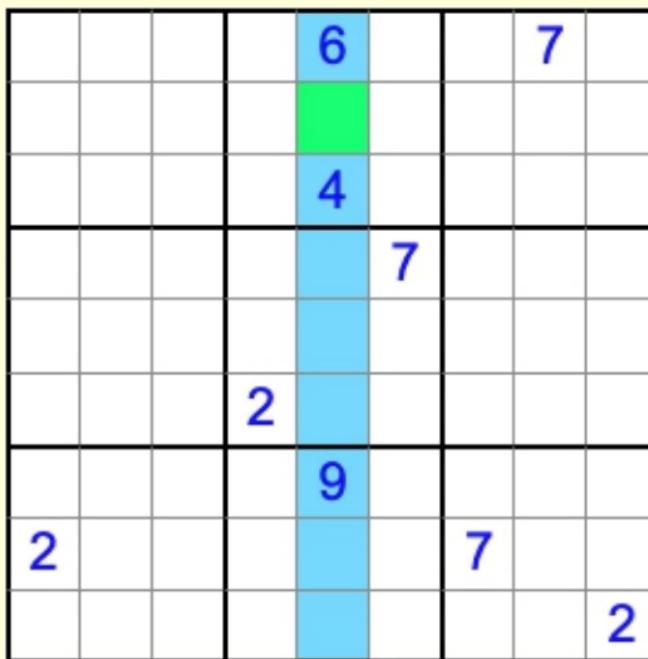
Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 8.6

02:00 / 02:00

Screen Number: 105



Reset

Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 8.7

02:00 / 02:00

Screen Number: 106

1	2				3		
		4					
		9					
	9						4
	4						
	9						

Reset

Submit

\$0.00 + (16¢)

## Phase 2: Puzzle 8.8

02:00 / 02:00

Screen Number: 107



Reset

Submit

\$0.00

## Questionnaire

Screen Number: 108

Thank you for completing the puzzles. Before the HIT concludes, we would like to ask you to describe your strategy for solving these puzzles.

In the following screen, you will be presented with a puzzle similar to the ones encountered so far. Please solve it to the best of your ability. You will then be asked a series of questions regarding how you solved this puzzle. The puzzle and your response will be provided with each question for reference.

Your answers will help us understand how people learn new reasoning skills and you will be compensated for your answer to each question so please answer them as truthfully and accurately as possible.

**Please answer these attention check questions correctly:**

1. I will be asked to solve one more puzzle on the next screen.

True      False

2. I will be compensated for my answers to the questions about my solution.

True      False

3. The puzzle will be removed after I solve it and before the questions appear.

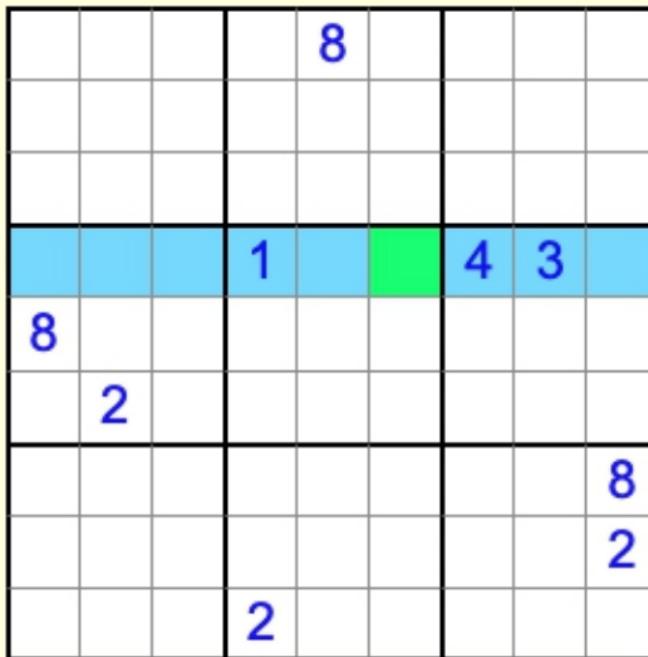
True      False

Submit

\$0.00 + (16¢)

# Questionnaire: Puzzle

Screen Number: 109



Reset

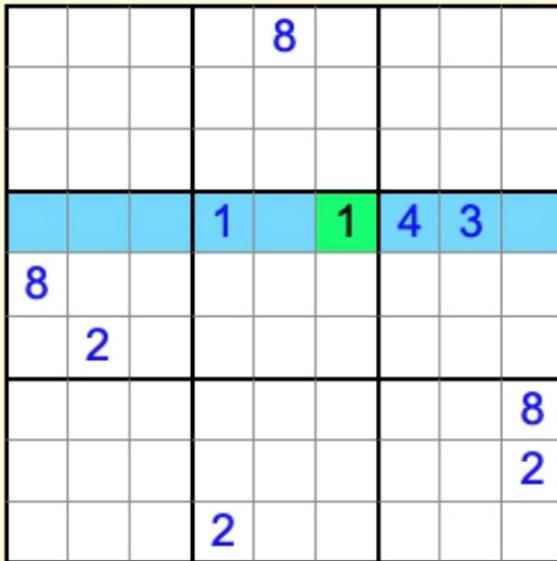
Submit

\$0.00 + (10¢)

# Questionnaire

Screen Number: 110

How confident do you feel that your answer is correct, expressed as a percentage?



Submit

\$0.00 + (20¢)

# Questionnaire

Screen Number: 111

Explain as clearly as possible the steps you went through to choose your answer.  
Please be as detailed as possible so that someone else could replicate your strategy  
by following your response.


Submit

\$0.00 + (10¢)

## Questionnaire

Screen Number: 112

There are two numbers in the puzzle that occur three times outside of the row containing the target cell. Which of the following best describes how you chose between the two candidate numbers to consider?

- I noticed something in the puzzle that initially made one candidate seem more likely to be correct than the other.
- I arbitrarily chose between the two candidates because they seemed equally promising to consider.

				8			
				1	1	4	3
8				1	1	4	3
2				2			

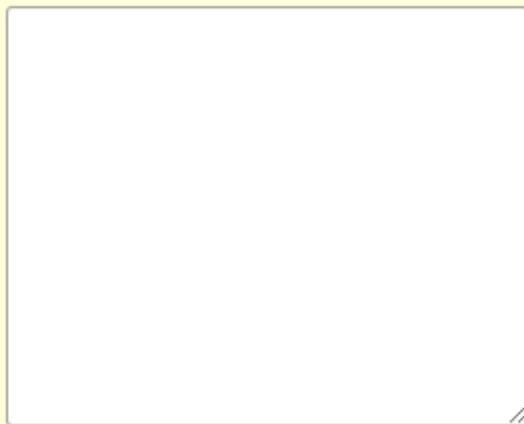
Submit

\$0.00 + (20¢)

# Questionnaire

Screen Number: 113

What did you notice in the puzzle that initially made one candidate seem more likely to be correct than the other?



			8			
			1	1	4	3
8						
	2					
					8	
					2	
	2					

Submit

\$0.00 + (10¢)

# Questionnaire

Screen Number: 114

Please select the cell(s) that initially made one candidate seem more likely to be correct than the other.

				8			
				1	1	4	3
8							
		2					
						8	
						2	
				2			

Submit

\$0.00 + (20¢)

# Questionnaire

Screen Number: 115

Please explain how the cell(s) you selected initially made one seem more likely to be correct than the other.

			8		
		1	1	4	3
8					
	2				
				8	
				2	
	2				

Submit

\$0.00 + (10¢)

# Questionnaire

Screen Number: 116

After you selected a candidate to consider, did you check further to determine whether that candidate was actually correct or not?

- Yes, I checked to see whether the candidate was actually correct.
- No, I just submitted my original guess without checking any further.

			8		
			1	1	4 3
8					
	2				
					8
					2
	2				

Submit

\$0.00 + (20¢)

# Questionnaire

Screen Number: 117

What did you do to determine if that candidate was actually correct?


Submit

\$0.00 + (10¢)

## Questionnaire

Screen Number: 118

Which of the following best describes the way you determined whether or not the candidate was actually the correct answer?

- I looked at other numbers in the puzzle until I noticed something that helped me decide whether or not the candidate was correct.
- I checked whether the candidate I chose could go in any of the empty blue cells in the row/column.

			8		
			1	1	4 3
8					
	2				
					8
					2
			2		

Submit

\$0.00 + (20¢)

# Questionnaire

Screen Number: 119

Please provide any additional information or clarifications to any of your previous responses so that we can most accurately understand as best we can how you solved this puzzle.




A 9x9 grid for solving a number puzzle. Some cells contain numbers: Row 5, Column 1 is 8; Row 6, Column 1 is 2; Row 6, Column 5 is 2; Row 7, Column 1 is 2; Row 7, Column 8 is 8; Row 8, Column 1 is 2; Row 8, Column 5 is 8; Row 9, Column 5 is 3; Row 9, Column 8 is 2. A green cell highlights the intersection of Row 6 and Column 6, containing the number 1.

Submit

\$0.00 + (5¢)

# Demographics

Screen Number: 120

Please answer these demographic questions. Your answers will not be associated with your identity.

What is your age?

What is your gender?

What is your highest level of education (including currently pursuing)?

Degree status

Submit

\$0.00 + (5¢)

# Math Education

Screen Number: 121

Which of the following mathematics topics have you taken a course in? Select all that apply.

High school algebra

High school geometry

Trigonometric functions

Single-variable calculus

Multi-variable calculus

Linear algebra

Probability & statistics

Discrete mathematics

Formal logic

Submit

**Thank you!**

Screen Number: 122

You solved out of 89 puzzles.

\$0.20 will be paid once the HIT is approved.

You may close the window.