


# How to Play KenKen®

Your goal is to fill in the whole grid with numbers, making sure no number is repeated in any row or column.

5+		3+
4+	3+	
		3



5+		3+
2	3	1
4+	3+	
3	1	2
1	2	3

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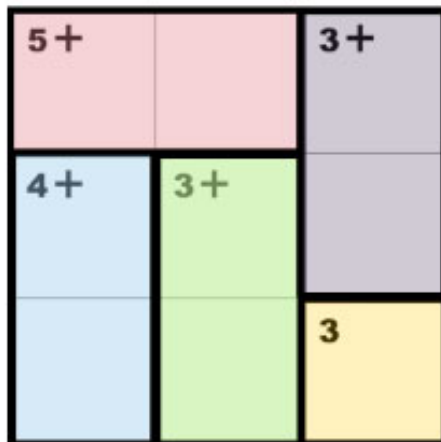
In a 3x3 puzzle, use the numbers 1 – 3.

	<b>1</b>	<b>2</b>	<b>3</b>
<b>1</b>	5+		3+
<b>2</b>	4+	3+	
<b>3</b>			3

In a 4x4 puzzle, use the numbers 1 – 4.  
In a 5x5, use the numbers 1 – 5, and so on.

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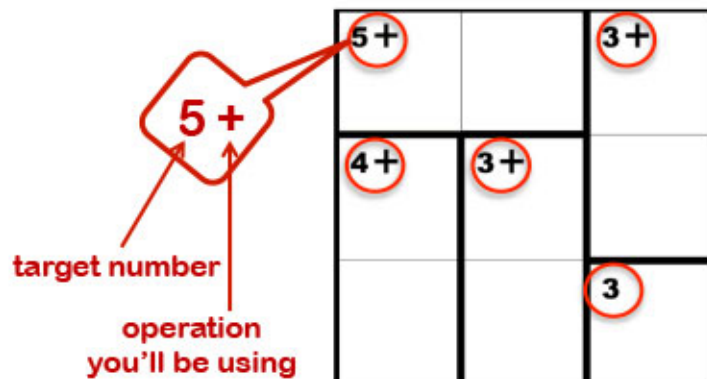
The heavily-outlined areas are called  
“cages.”



This puzzle has 5 cages.

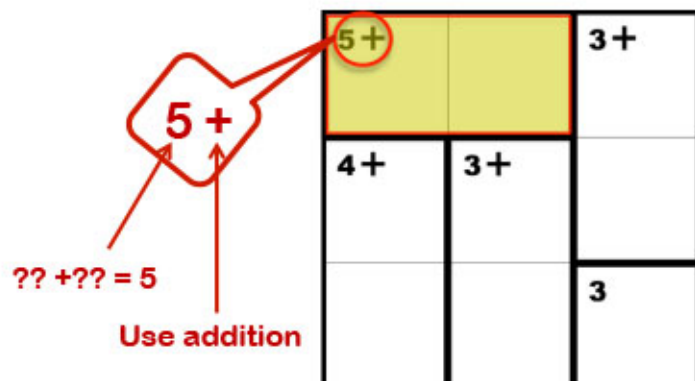
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The top left corner of each cage has a “target number” and math operation. The numbers you enter into a cage must combine (in any order) to produce the target number using the math operation noted (+, -, ×, or ÷).



In this cage, the math operation to use is **addition**, and the numbers must add up to **5**.

Since this cage has 2 squares, the only possibilities are 2 and 3, in either order (2+3 or 3+2 = 5).



A cage with one square is a “Freebie”... just fill in the number you’re given.

5+		3+
4+	3+	
		<sup>3</sup> 3



A number cannot be repeated within the same row or column.

5+		3+
4+	3+	
X 3		<sup>3</sup> 3



**LET'S BEGIN!**

1. Enter a 3 in the Freebie square. It's always best to begin with your Freebies.

5+		3+
4+	3+	
		<sup>3</sup> 3

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2. The lower-left cage must be filled in with a 1 and a 3 in order to equal 4. The 3 must go in the top square since the bottom row already has a 3 in it. That means a 1 must go in the square below the 3.

	5+		3+
1	<sup>4+</sup> 3	3+	
X 3	1		<sup>3</sup> 3

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3. Each row and column must have a 1, 2 and 3 in it. The bottom row already has a 1 and a 3, so a 2 belongs in the middle square. The same logic can be used for the leftmost column.

5+ 2		3+
4+ 3	3+	
1	2	<sup>3</sup> 3

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4. Enter a 3 in the top middle square so that the 5+ cage at the top totals 5 using addition. Then, enter a 1 in the center square so that the middle column has all 3 numbers, and because  $1+2=3$ , satisfying the bottom middle cage.

5+ 2	3	3+
4+ 3	3+ 1	
1	2	<sup>3</sup> 3

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5. You can now put a 1 in the top right square and a 2 below it because they are the only unused digits in their rows...AND because  $1+2=3$ , satisfying the top right cage. Voilà...you're now ready to play KENKEN!

$5+$ 2	3	$3+$ 1
$4+$ 3	$3+$ 1	2
1	2	$^3$ 3