

Kenken Puzzles

Fill in the blank squares so that each row and column contain all of the digits 1 through 3.

The bold lines surround areas (called cages) that contain groups of numbers that can be combined (in any order) to produce the result shown in the clue using either + or - as shown in the clue. For example, 12+ means you can add the values together to produce 12. Numbers in cages may repeat, as long as they are not in the same row or column.

For instructions with pictures turn to page 2!
3 x 3 worksheet.
Use the numbers 1-3.

1

1-		4+
4+	5+	

2

1-	4+	
	9+	

3

4+	1-	
	8+	
1-		

4

4+		1-
1-	8+	

4

3	2	1
1	3	2
2	1	3

3

3	1	2
2	3	1
1	2	3

2

3	2	1
1	3	2
2	1	3

1

2	1	3
3	2	1
1	3	2

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Kenken puzzle instructions

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

- > In a 3x3 puzzle, use numbers 1-3
- > In a 4x4 puzzle, use numbers 1-4
- > Each rectangle is called a cage.
- > 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 (+, -, x or ÷).

5+		3+
4+	3+	
		3

- > 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).

?? + ?? = 5
USE ADDITION

5+		3+
4+	3+	
		3

- > A cage with one square is a 'freebie' so just fill in the number you're given.

5+		3+
4+	3+	
		³ 3

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

X

5+		3+
4+	3+	
3		³ 3

- > Here's an example!
Now have a go yourself!

5+	2	3	3+	1
4+	3	3+	1	2
	1	2	³	3