



Dear Educator,

Thank you for being part of the KenKen® Classroom community. We are very excited to share KenKen puzzles with you and your colleagues on a regular basis. Every two weeks we will email a selection of KenKen puzzles for you to share with your students.

There are many ways to challenge your students with these educational and fun puzzles. Some teachers use these for extra-credit assignments or homework to encourage parent-child communication. Some of the more challenging levels help promote teamwork as students work together. Please feel free to share your ideas how to use KenKen in the classroom!

Our goal is to provide teachers with tools to make math engaging and interesting to students of all ages. The puzzles included in a set will range from the beginner to challenging levels. This will allow you to select appropriate puzzles for the wide variety of your student's skills.

Please feel free to forward the puzzles to your colleagues, and encourage them to register with us at: <http://kenken.com/signup/teacher.php>

We also have a unique and fun online interactive KenKen with 6 puzzles daily at www.kenken.com.

We hope you and your students have a great time KenKen-ing.

Sincerely,
Robert Fuhrer, President
KenKen Puzzle, LLC
classroom@kenken.com



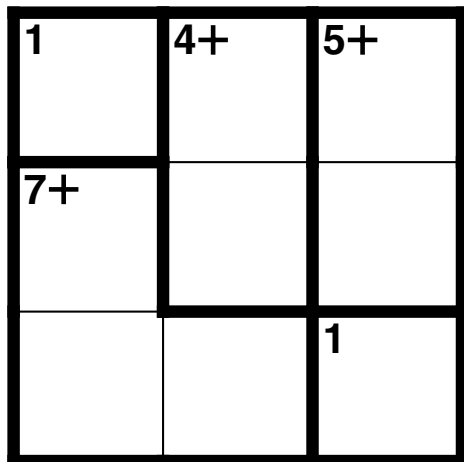
RULES FOR KENKEN®

Fill the grid with digits so as not to repeat a digit in any row or column, and so the digits within each heavily outlined box or boxes (called a cage) will produce the target number shown in that cage by using the operation (addition, subtraction, multiplication, or division) shown by the symbol after the numeral.

For single box cages, simply enter the number that is shown in the corner.

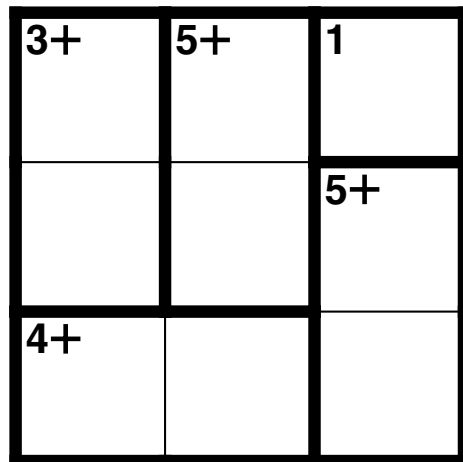
So, for example, the notation 6+ means that the numerals in the cage should add up to 6, and the notation 48x means that by multiplying the numbers in the cage you will get 48. A 4x4 grid will use the digits 1-4. A 5x5 grid will use 1-5. A 6x6 grid will use 1-6, and so on.

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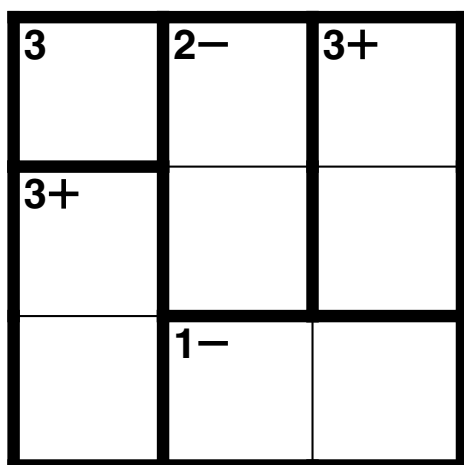
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09-01



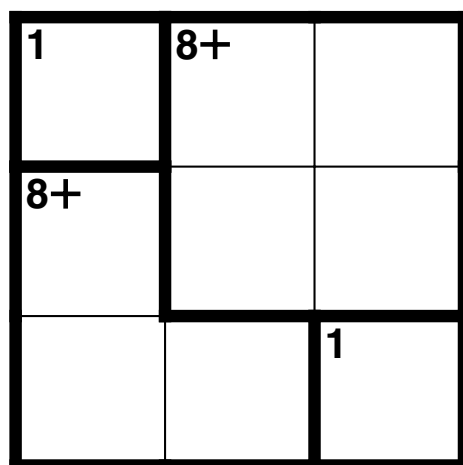
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09-02



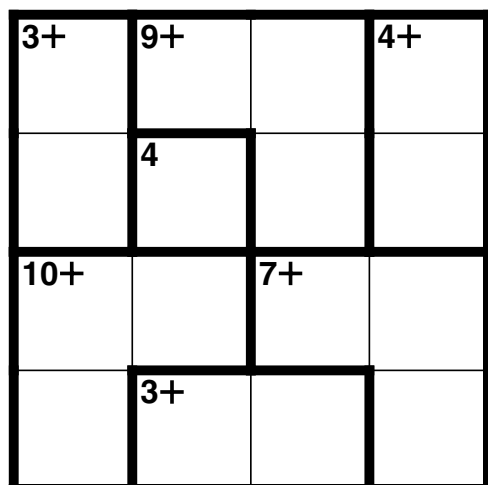
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09-03



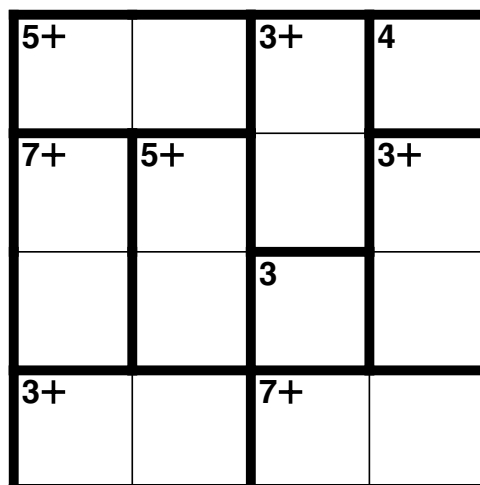
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09-04



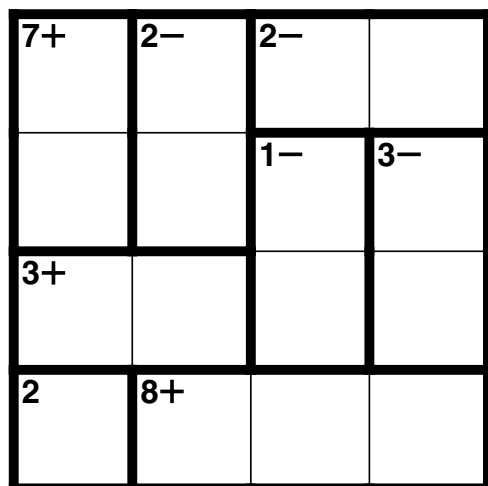
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09-05



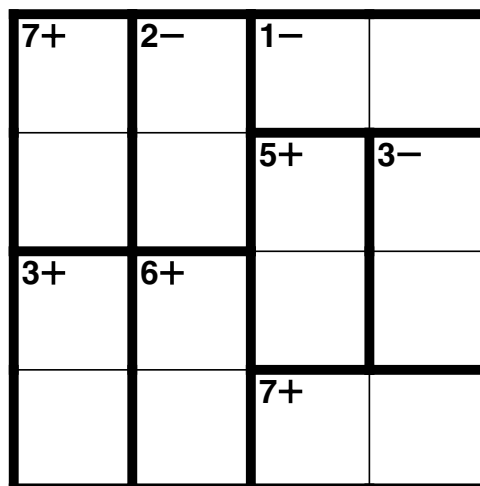
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09-06



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09-07



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09-08

1-		9+	1
3-			24×
3+			
3	3-		

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09-09

3-		1-	
7+	6×		1
	6+	2÷	
		5+	

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09-10

1-	2÷		2÷	15×
	8+			
6+	6×		4	
	4-	12×		40×

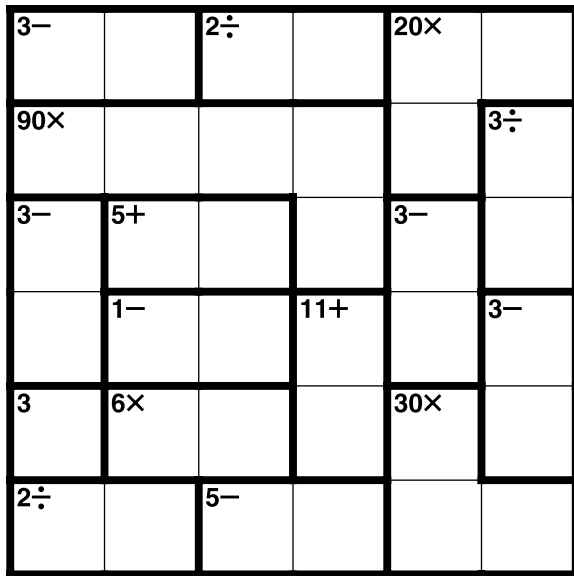
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09-11

20×	9+		2÷	1-
	7+			
		2-		10×
5+	4-	20×		
		12×		

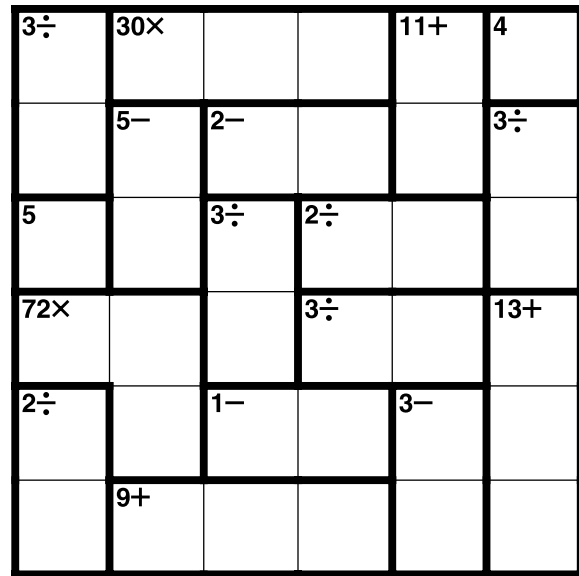
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09-12



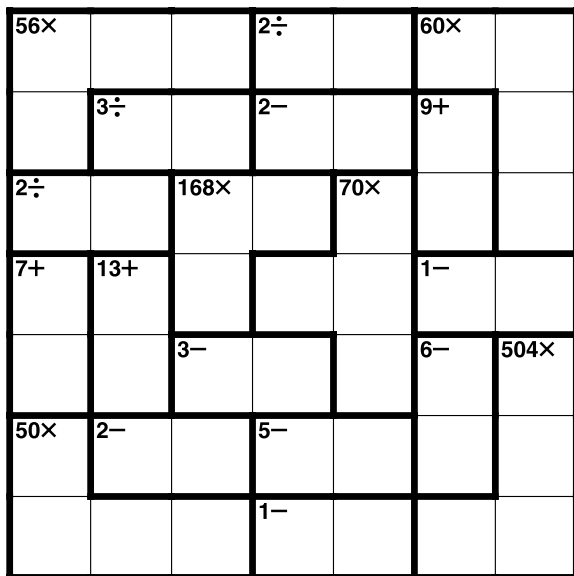
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09-13



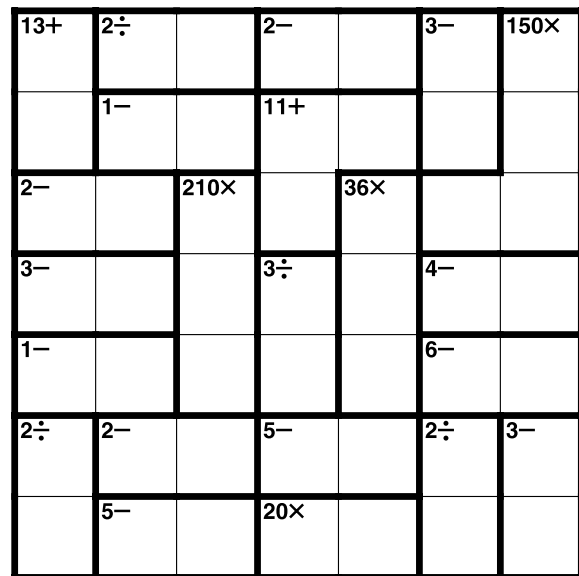
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09-14



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09-15



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09-16

4	3+		5-	48×	3-		3÷
2÷	2-	7+			11+		
			13+	3÷		21×	40×
7-	1			1-			
	4-		2÷		60×		3-
70×	2÷	1-		2-			
			2-	4-	4÷		3÷
	2-				4÷		

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09-17

30×		4÷		336×		24×	1-
96×	2-		15+		10+		
		96×		3÷			7
35×						7-	
	4÷		14+	6-	11+	15+	
3+		168×				7	
9+				140×		6+	48×
		3-					

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09-18

17+		56×		10×		2÷		16+
1-	8-		2÷	9+				
		36×		504×		15+	945×	
15+								
	16+			15+		11+	2	
		168×		15×	8-			17+
2352×	1-		7-			1-		
		75×		2-		3+		2-
				15+		2-		

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09-19

11+		315×		17+	90×		3+	2÷
	4-		8			9+		
13+		1152×					15+	
	54×		270×	40×		24×		7
				3-			4	17+
4÷	17+	11+		10+			48×	
				2÷		3÷		
162×		16×	28×		8-		280×	30×

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09-20

1	4+	5+
1	3	2
7+		
2	1	3
3	2	1

09-01

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

09-02

3	2-	3+
3	1	2
3+		
2	3	1
1	1-	
	2	3

09-03

1	8+	
1	2	3
8+		
3	1	2
2	3	1

09-04

3+	9+		4+
1	2	4	3
2	4	3	1
10+		7+	
4	3	1	2
3	3+		
	1	2	4

09-05

5+		3+	4
2	3	1	4
7+	5+		3+
3	4	2	1
4	1	3	2
3+		7+	
1	2	4	3

09-06

7+	2-	2-	
3	1	4	2
4	3	1-	3-
		2	1
3+			
1	2	3	4
2	8+		
	4	1	3

09-07

7+	2-	1-	
4	3	1	2
3	1	5+	3-
		2	4
3+	6+		
2	4	3	1
1	2	7+	
		4	3

09-08

1		9	1
2	3	4	1
3			24
4	1	2	3
3			
1	2	3	4
3	3		
3	4	1	2

09-09

3		1	
1	4	2	3
7	6		1
4	2	3	1
3	6	2	
3	1	4	2
2	3	5	
2	3	1	4

09-10

1	2		2	15
5	4	2	1	3
4	8	3	5	2
6	6		4	
1	2	3	4	5
2	4	12		40
3	1	4	5	2

09-11

20	9		2	1
1	4	5	2	3
5	7	3	2	1
4	2	1	3	5
5	4	20		10
3	1	4	5	2
2	5	12		
2	5	3	4	1

09-12

3		2		20	
6	3	2	4	1	5
90				3	
1	5	3	2	4	6
3	5			3	
5	1	4	3	6	2
2	4	5	6	3	1
3	6			30	
3	6	1	5	2	4
4	2	6	1	5	3

09-13

3	30		11	4
1	2	3	5	6
5		2		3
3	6	4	2	5
5	1	6	4	2
72		3		13
6	4	2	1	3
4	3	5	6	1
2		1		2
2	5	1	3	4

09-14

56		2	6	3	2	5
7	4	1				
2	1	3	7	5	4	6
2	6	3	7	4	2	5
4	7	6	5	1	3	2
3	6	5	2	7	1	4
5	2	4	1	6	7	3
1	5	2	3	4	6	7

09-15

13	2		2	7	5	1	150
6	2	4					
7	3	2	6	1	4	5	
3	1	7	4	6	5	2	
4	7	5	1	3	2	6	
5	4	6	3	2	7	1	
1	5	3	2	7	6	4	
2	6	1	5	4	3	7	

09-16

4	3	5	48	3	3
4	2	1	7	6	5
2	2	7		11	
6	5	3	2	8	4
3	7	4	5	2	6
8	1	2	6	4	7
1	3	7	8	5	2
70					
2	8	6	4	1	3
7	4	5	1	3	8
5	6	8	3	7	1

09-17

30		4	336	24	1
6	5	1	4	7	8
96		15		10	
8	7	5	2	6	1
4	3	8	6	1	5
5	6	2	7	3	4
7	1	4	8	2	3
1	2	3	5	8	6
3	8	7	1	4	2
2	4	6	3	5	7

09-18

17	8	56		10	2	3	16
9	8	1	7	5	2	3	6
3	9	8	4	2	7	1	5
4	1	2	8	7	9	6	3
1	2	6	3	8	4	5	9
5	6	9	1	4	3	8	7
2	5	7	6	3	1	9	4
6	3	4	2	1	5	7	8
7	4	5	9	6	8	2	1
8	7	3	5	9	6	4	2

09-19

11		815	17	90	5	2	
6	1	9	7	8	3	5	2
4	3	5	8	9	6	7	1
5	7	8	1	6	4	2	9
1	2	6	9	5	8	4	3
7	9	3	6	2	5	1	4
2	4	1	5	3	7	6	8
8	5	7	3	4	2	9	6
9	8	2	4	7	1	3	5
3	6	4	2	1	9	8	7

09-20