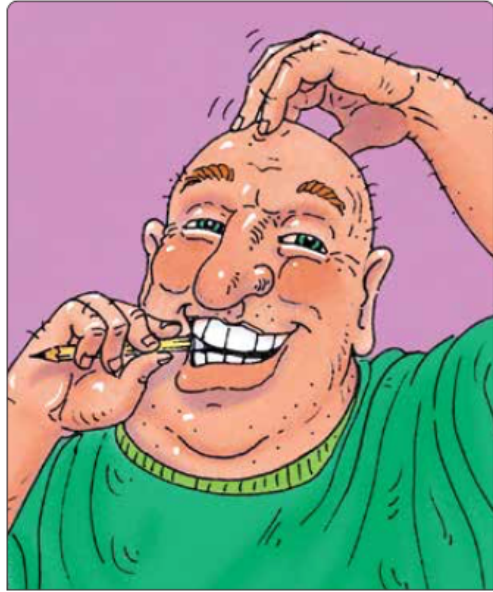


Thank you for participating in the KenKen Classroom Program!
 There are many ways to use KenKen with your students, including playing interactively online or using larger puzzles for teamwork solving.

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THIS WEEK'S *KEN*ertainment



Word Thoughts...
 Percy has found a new word game. What single four letter word can be placed before each of the words below to make four new words? (Hyphenated words are allowed.)
 ____ TRAP, ____ PLACE, ____ BUG, and
 ____ FLY

Brought to you by our friends at ThinkFun. www.thinkfun.com

Find the solution at the bottom of the answer key.

For more KenKen of all sizes and difficulty levels, visit www.kenken.com



+ -

4+		1-
	6+	
3		

21-1 www.kenken.com

+ -

2-		1-
5+	3	
		3

21-2 www.kenken.com

+ -

1-	4+	2
		2-
3+		

21-3 www.kenken.com

+ -

1-	3+	
	7+	
1-		

21-4 www.kenken.com

x

6x	6x	
		3x
2x		

21-5 www.kenken.com

x ÷

2÷		3
9x	4x	

21-6 www.kenken.com

+

7+	6+		
	3+	7+	5+
7+			
		5+	

21-7

www.kenken.com

+

9+			3+
5+		7+	
	8+		7+
		1	

21-8

www.kenken.com

+ -

2-		1-	2-
3-	7+		
			2-
2	3-		

21-9

www.kenken.com

× ÷

3×	8×		12×
	6×		
2÷	12×		
		2÷	

21-10

www.kenken.com

+ - × ÷

3×		2÷	
	12×		8+
2÷	1-		
		1	

21-11

www.kenken.com

+ - × ÷ **Challenging**

1-		3-	6+
2÷	12×		
2-		2÷	

21-12

www.kenken.com

+

6+		9+		
3+	5	5+		11+
	7+	7+		
7+			3+	
	6+		6+	

21-13

www.kenken.com

+ -

9+		3-	5+	
12+			4-	
		10+	3+	5
3+				7+
	1	9+		

21-14

www.kenken.com

+ - × ÷

5+	15×		3-	
	2÷		4-	
20×	12×		12×	5
		2÷		
6+			1-	

21-15

www.kenken.com

+ - × ÷ **Challenging**

2÷	10×		2-	
	9+	12+		
			7+	
8+	2-		7+	4
		3		

21-16

www.kenken.com

+ - × ÷ Challenging

1-		3-		13+	
2÷	40×		2÷		
		5-	1-	11+	
3÷					2-
4	2÷		36×		
3-				5-	

21-17

www.kenken.com

+ - × ÷ Extra Challenging

1-	4×		13+		2÷
		9+	3		
36×	5		2-		2÷
	1-		6+		
		6×		1-	
5-		3-		1-	

21-18

www.kenken.com

+ - × ÷ Challenging

28×		1-		1-		4-
2÷	10+	10+			4	
		6-		1-	3-	
3-		12×			6+	13+
10+	6	2-	3-			
	6+		6	2÷		14+
		3-				

21-19

www.kenken.com

+ - × ÷ Extra Challenging

105×		24×			7-		5-
1-		168×			4÷		
	9+		64×	20×		5-	
1-					17+	1-	
4÷			17+				5
7-	5-			4-			9+
	2-			16+			
7+			26+				

21-20

www.kenken.com

There are several ways to enjoy KenKen. Try this variant!

KenKen No-Operation (“No-Op”): There is still a target number, but the operation to get to the target number is not provided. Try to figure out which operations to use. Hint: Any cage with three or more squares can only use addition or multiplication.

+ - × ÷ **Challenging**

2		1	40	
8			1	
3		4	2	4
4				2
1		7		

www.kenken.com

HOW TO PLAY KENKEN®

1. Fill in each square with a single number. In a 3x3 grid, use the numbers 1 through 3. In a 4x4 grid, use the numbers 1 through 4. In a 5x5 grid, use the numbers 1 through 5...and so on.
2. Do not repeat numbers in any individual row or column. For example, in a 3x3 grid, each column and each row should be filled in with the numbers 1, 2, and 3, with no duplication.
3. Each heavily outlined set of squares is called a “cage.” The numbers in each cage must combine (in any order) to produce the target number indicated in the top corner by using the mathematical operation next to the target number.
4. A number may be repeated within a cage as long as it is not in the same row or column.

HINTS

1. First fill in single box cages, called “freebies,” with the number in the top left corner.
2. Note the candidates (all possible numbers for each square) for each remaining square and then determine the correct numbers by math, logic, and process of elimination.
3. Each puzzle has one unique solution.

Hello, I'm Lulu, the KenKen Guru. Did you know the Japanese word, Kengaeru, means “to think”?



4+		1-
2	1	3
1	6+	2
3	2	1

21-1 www.kenken.com

2-		1-
3	1	2
5+	3	1
2	3	1
1	2	3

21-2 www.kenken.com

1-	4+	2
3	1	2
2	3	1
3+		2-
1	2	3

21-3 www.kenken.com

1-	3+	
3	1	2
2	7+	1
1-		
1	2	3

21-4 www.kenken.com

6x	6x	
1	3	2
3	2	1
2x		3x
2	1	3

21-5 www.kenken.com

2÷		3
2	1	3
9x	4x	
3	2	1
1	3	2

21-6 www.kenken.com

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

21-7 www.kenken.com

9+			3+
4	3	2	1
5+		7+	
3	1	4	2
1	2	3	4
8+		7+	
2	4	1	3

21-8 www.kenken.com

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

21-9 www.kenken.com

3x	8x		12x
3	4	2	1
1	6x	2	3
2	1	4	3
2÷	12x		
4	3	2	1
2÷		2÷	
4	3	1	2

21-10 www.kenken.com

3x		2÷	
3	1	4	2
1	12x	2	3
4	3	2	1
2÷	1-		
2	4	1	3

21-11 www.kenken.com

1-		3-	6+
3	2	4	1
2÷	12x		
2	4	1	3
4	1	3	2
2-		2÷	
1	3	2	4

21-12 www.kenken.com

6+		9+		
5	1	3	2	4
3+	5	5+		11+
2	5	1	4	3
1	7+	7+		
4	3	2	3	5
7+			3+	
4	3	5	1	2
3	6+	4	6+	
2	4	5	1	

21-13 www.kenken.com

9+		3-	5+
5	4	1	3
12+		4-	
3	2	4	5
4	3	2	1
10+	3+	5	
4	3	2	1
3+			7+
1	5	3	2
2	1	9+	
5	4	3	

21-14 www.kenken.com

5+	15x		3-
2	3	5	1
2÷		4-	
3	2	4	5
20x	12x	12x	5
4	1	3	2
5	4	1	3
6+		2÷	
1	5	2	4
1-			
2	4	3	

21-15 www.kenken.com

2÷	10x	2-	
4	5	2	1
9+	12+		
2	1	4	3
3	4	1	5
7+			
3	4	1	5
8+	2-	7+	4
1	3	5	2
5	2	3	4
3			

21-16 www.kenken.com

1-		3-		13+
5	6	4	1	3
2÷	40x	2÷		
6	4	5	2	1
3	2	1	6	4
3÷		1-	11+	
1	3	6	5	2
4	2÷	36x		2-
4	1	2	3	5
3-			5-	
2	5	3	4	6

21-17 www.kenken.com

1-	4x		13+	2÷
5	4	1	6	2
9+	3			
4	1	2	3	5
36x	5	2-		2÷
2	5	3	4	6
1-	6+			
6	3	4	5	1
3	2	6	1	4
5-	3-	1-		
1	6	5	2	3

21-18 www.kenken.com

28x		1-		1-		4-
7	4	3	2	5	6	1
2÷	10+	10+		4		
2	7	6	1	3	4	5
4	3	6-	1	7	6	5
3-		12x	4	3	7	1
5	2	4	3	7	1	6
10+	6	2-	3-			
3	6	5	4	1	2	7
6+		6	2÷		14+	
1	5	7	6	2	3	4
6	1	2	5	4	7	3

21-19 www.kenken.com

This Week's KENtertainment:

VISUAL BRAINSTORMS

Answer: Fire... firetrap, fireplace, firebug and firefly.

Bonus: Are fireflies flies?
Answer: No. Fireflies are actually soft-bodied beetles.

Bonus Puzzle:

105x		24x		7-		5-
7	5	3	4	2	8	1
1-		168x		4÷		
5	3	6	7	4	2	8
9+		64x	20x		5-	
6	2	7	1	5	4	3
1-			17+	1-		
3	4	8	2	1	5	6
4÷			17+		5	
2	8	4	6	3	1	7
7-	5-		4			9+
8	6	1	5	7	3	4
1	7	5	3	8	6	2
7+		26+				
4	1	2	8	6	7	5

21-20 www.kenken.com

2		1	40	
1	2	3	4	5
8			1	
5	3	4	1	2
3		4	2	4
2	5	1	3	4
4			2	
4	1	2	5	3
1		7		
3	4	5	2	1

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