###  The Number Ladder Game Champions

**Super Challenge High Score:**
**Joe Petrow reached rung 116**
**using all five numbers for each equation.**
**(You may want to access [Joe's website](http://www.joepetrow.com/?PAGE=equations) to find the highest rung possible for each set of five numbers.)**

**Intermediate High Score:**
**Dan Evenson reached rung 480**

**Beginner High Score:**
**Dan Evenson broke his old record of 688**
**by climbing all the way to 1000!!!**

**HOW TO PLAY**

**[The Number Ladder Game](http://www.numberjugglers.com/num_ladder.php3)**

* **Most people start with the Beginner game using ten number cards.  The intermediate and challenge games use fewer numbers.**
* **To play, climb the Ladder by using some or all of your assigned numbers to make one [equation](njmathideas.html) for each rung of the Number Ladder.  Whatever cards the computer assigns are the numbers you use throughout your entire turn.**
* **Use these operation signs:  + for addition, - for subtraction, \* for multiplication, and / for division.**
* **You may use each of your assigned numbers only ONCE in each equation, unless the computer has assigned you doubles of a number, in which case you may use them both:  (5 + 5) - 2 = 8.  For each new rung you may use all your cards again.**
* **You may use [parentheses](njmathideas.html%22%20%5Cl%20%22paren) ( ) in your equations. You may also use double parentheses.**
* **You MAY NOT use your numbers as digits. For example, if you have a 4 and a 1, you may not use them together to make 41 or 14.**
* **For Rungs 1 through 10, if you have the number, you may simply use it alone as your equation: 1 = 1; 2 = 2; 3 = 3, and so on.**
* **If the computer tells you your equation is wrong, but you know that it is right, you may have mixed up the [order of operations](njmathideas.html%22%20%5Cl%20%22orderofoperations).  Try rewriting your equation according to the proper order of operations, using parentheses as needed.**
* **HERE IS HOW TO PLAY:**

**1.  Starting at Rung 1, use some or all of your assigned numbers to make an [equation](njmathideas.html) to equal 1 for Rung 1.**

**For example, maybe you have the numbers to make 4 - 3 = 1.  Or you might have the numbers to make (5 + 2) - 6 = 1.**

**2.  Type only the LEFT side of your equation into the box that says "For Next Rung." Do NOT type = 1 into the box.  (For 4 - 3 = 1 type in 4 - 3.)  Then click on "Check Equation."**

**If your equation equals 1, the computer will put you on Rung 1.  Then use some or all of your numbers to make an equation to equal 2 for Rung 2; then Rung 3; then Rung 4; and so on.**

**3.  Keep climbing the Number Ladder until you cannot make an equation to equal the next rung. Your score is the number of the last rung you climbed.**

**4.  If you would like to start over, click on New Game and then hit "Reload" in the bar over the game.**

**SUPER CHALLENGE:  Click on the Challenge Game.  That assigns you five cards.  To play the Super Challenge game, use ALL FIVE cards for every equation.**

**HIGH SCORE**:  **There is a high score at each level.  If you email us with a copy of your score page we will post the new high score.  Tell us if it's okay to publish your name. scoring@numberjugglers.com**

**[Let's Play The Number Ladder Game](http://www.numberjugglers.com/num_ladder.php3)**

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The illustration on this page was done by [Deborah Zemke](aboutus.html) for the book,
**Number Jugglers Math Games** by Ruth Bell Alexander (published by Workman Publishing).
Click here for information on [Number Jugglers Math Game Book](links.html%22%20%5Cl%20%22numjug).