

## Books on Mathemagics

The King County Library System has wonderful books on **magic with numbers**. Here are some of my favorites:

*Magic with Numbers*, by Jon Tremaine

*Math-a-Magic: Number Tricks for Magicians*, by Laurence B. White, Jr. and Ray Broekel

*Amazing Math Magic*, by Oliver Ho

*Math Tricks, Puzzles, and Games*, by Raymond Blum

For those interested in **mental math techniques**, here are some great guides:

*Secrets of Mental Math*, by Arthur Benjamin and Michael Shermer

*Math Magic*, by Scott Flansburg

And here are the steps for “**Turn It Around**,” if you want to try it on your friends:

1. Write the number 1089 on a piece of paper
2. Have someone give you three different single numbers *For example: 3, 4, and 7*
3. Make them into a single three-digit number *For example: 743*
4. Reverse this number *For example: 347*
5. Subtract the smaller number from the larger number *For example: 
$$\begin{array}{r} 743 \\ - 347 \\ \hline 396 \end{array}$$*
6. Reverse this number and add it to itself. *For example: 
$$\begin{array}{r} 396 \\ + 693 \\ \hline 1089 \end{array}$$*
7. The answer will always be 1089!

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