

A Basic Theorem

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- *From:* "TheNakedOne" <Gooberglob@xxxxxxxxxx>
 - *Date:* 27 Jan 2006 04:55:50 -0800
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..3 repeated = 1/3
3(.3 repeated) = 1
3(.333 repeated)=1
..999 repeated=1
..9 repeated=1
Q.E.D.

Hey everyone, I'm new to sci.math, and this is a proof I gave to many teachers at my school, yet none of them could give me a clear enough reason as to why this was incorrect. My personal belief is that because the repeated (sorry, I couldn't find a superline key) sign means the task is being done an infinite number of times, then it actually reaches the number which can not be reached in decimal form. I wanted to know your thoughts.

Matt

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- *Follow-Ups:*
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◇ *From:* john_ramsden
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◇ *From:* Virgil
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◇ *From:* Randy Poe
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◇ *From:* G. A. Edgar
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◇ *From:* Arturo Magidin
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◇ *From:* gerben47

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