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Subject: Is my system good for Renegade?

Posted by [Sir Phoenixx](#) on Tue, 22 Feb 2005 00:18:24 GMT

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This explains it:

<http://tulsa.ou.edu/voice/othertips.htm>

Quote: Generally speaking, most people know that a kilobyte is 1,000 bytes, a megabyte is 1,000 kilobytes (or 1 million bytes) and a gigabyte is 1,000 megabytes (or a billion bytes). But of course that is an oversimplified, rounded version of reality.

A kilobyte is really 1,024 bytes and a megabyte is really 1,024 kilobytes so you can see that:

a megabyte is 1024 bytes x 1024 or 1,048,576 bytes (not an even million)

and

a gigabyte is 1,048,576 x 1024 or 1,073,741,824 bytes (not an even billion).

The shorthand of using 1,000 instead of 1,024 simplifies the math and just makes it easier to write, read and say. Once in a while you may be required to know the exact number for programming purposes, but most of us mere mortals just need the shorthand version.

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