

# Re: abundance of irrationals!) – rectangles of area 1.bmp [0/1]

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*Source:* <http://sci.tech–archive.net/Archive/sci.math/2005–05/msg02711.html>

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- *From:* Virgil <ITSnetNOTcom#virgil@xxxxxxxxxxx>
  - *Date:* Fri, 13 May 2005 14:32:31 –0600
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In article <MPG.1ceeb62585029a40989c45@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>, Tony Orlow (aeo6) <aeo6@xxxxxxxxxxx> wrote:

> Virgil said:

>> In article <MPG.1ced6107b1babfda989c32@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>,

>> Tony Orlow (aeo6) <aeo6@xxxxxxxxxxx> wrote:

>>

>>>> If A being a proper subset of B does not mean that A is "smaller than"

>>>> B, in your system, as you remarks about the rationals and reals would

>>>> imply, then why are not the naturals, the odd naturals and the odd

>>>> primes all the same size?

>>> A proper subset IS smaller than the superset, as I have stated. It is you

>>> who

>>> believe this rule evaporates at infinity. When did I ever make such a

>>> statement?

>>

>> When TO claimed that the sets of rational and reals are of the same

>> size!

> Learn to read. I said the rationals constitute a sort of enumeration of the

> reals, but as a representation, it is reall a 2D array of naturals, and

> should

> be considered to be  $N^2$  in size. This is smaller than the reals. My point was

> that they are certainly NOT an equivalent set to the naturals. That's

> balderdash.

If you mean that there is no bijection between the rationasl and the naturals, you are dead wrong.

> Learnr to read.

Learn to spell! At least when telling people to learn to read.

>>

>> Many people, of considerable talents in mathematics, have tried, and

>> failed, to construct any 'size' definition which incorporates proper

>> subsets as always being smaller that the superset.

> So what? I succeeded. Are you jealous? that's what it sound like.

>>

>> If TO succeeds, it will be a marvel.

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>> But he has a long way to go.

>>

> As long as I waste my time here, perhaps.

Then go waste it elsewhere.

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• **References:**

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◇ From: Virgil
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