Re: 3rd Experiment |OR| Infinity

Source: http://sci.tech−archive.net/Archive/sci.math/2005−10/msg00477.html

- *From*: "Shmuel (Seymour J.) Metz" <spamtrap@xxxxxxxxxxxxxxxxxxxxxxxxxx>

- *Date*: Wed, 05 Oct 2005 23:25:49 −0300

In <1128431365.632517.76130@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>, on
10/04/2005
at 06:09 AM, pfntjux@xxxxxxxxx said:

>Obviously this is physically impossible, but you get the idea.

No; you have defined neither an experiment nor a mathematical
question.

>which is obviously the same as 9*n. To find how many balls are there
>in the vase at infinity

What does that mean? You have defined neither a physical experiment
nor a mathematical question.

>If you repeat this ad infinitum

What does that mean? You have defined neither a physical experiment
nor a mathematical question.

>To find how many balls are there in
>the vase at infinity (or as we approach infinity, as you prefer)

First you have to define what you mean by that.

>we take the following limit:

That will tell you what the limit is; it won't answer unrelated
questions.

>Well, if you don't simplify 10*n−1*n, you get with an expression
>oo−oo

No you don't.

>and which I believe to be the hidden cause of the debate.

The cause the debate is not hidden. The cause of the debate is the
refusal to use precise language and to consistently use the same

definitions for words throughout the argument. The cardinality of a set has nothing to do with the limit of an unrelated sequence.

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Shmuel (Seymour J.) Metz, SysProg and JOAT <http://patriot.net/~shmuel>

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- ***References***:
  - ♦ ***3rd Experiment |OR| Infinity***
    - ◊ *From:* Joubin Houshyar
  - ♦ ***Re: 3rd Experiment |OR| Infinity***
    - ◊ *From:* pfntjux

- Prev by Date: ***mirror object.***
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