

Re: Questioning the definitions of set and element.

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- *From:* Mariano Suárez-Alvarez <[mariano.suarezalvarez@xxxxxxxxx](mailto:mariano.suarezalvarez@xxxxxxxxx)>
  - *Date:* Thu, 1 May 2008 14:32:09 -0700 (PDT)
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On May 1, 6:26 pm, "Mark" <[u...@xxxxxxxxx](mailto:u...@xxxxxxxxx)> wrote:

"Virgil" <[Vir...@xxxxxxxxx](mailto:Vir...@xxxxxxxxx)> wrote in message

[news:Virgil-DD2602.14422401052008@xx](mailto:news:Virgil-DD2602.14422401052008@xx)

In article <[wKpSj.1014\\$NZ7....@xxxxxxxxxxxxxxxxx](mailto:wKpSj.1014$NZ7....@xxxxxxxxxxxxxxxxx)>, "Mark" <[u...@xxxxxxxxx](mailto:u...@xxxxxxxxx)> wrote:

I was basically asking whether elements in a set need to share something in common.

Other than membership in that set, no!

Then why would they be in a set in the first place?  
Can you provide me with an example of a set whose elements have nothing in common with each other, other than the fact that they belong to the set?

That is impossible: if two things  $x$  and  $y$  have in common the property of both belonging to a set  $A$ , then they also have the property of belonging to the set  $\{A, x, y\}$ .

-- m

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