

# Re: is C2xD5 isomorphe with D10?

Source: <http://sci.tech-archive.net/Archive/sci.math/2005-06/msg01840.html>

- From: [magidin@xxxxxxxxxxxxxxxxxxxx](mailto:magidin@xxxxxxxxxxxxxxxxxxxx) (Arturo Magidin)
- Date: Sun, 12 Jun 2005 20:22:16 +0000 (UTC)

In article <1118539195.358805.112950@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>, Rupert <rupertmccallum@xxxxxxxx> wrote:  
 >Of course, presumably D5 is just C5,

No. The original poster specified that by "D5" he meant the dihedral group of order 10.

There are two standard[1] notations for dihedral groups, both widely used. There is one in which "Dn" is the plane symmetry group of the regular n-gon, so Dn has 2n elements; the other is the one in which "Dn" is the dihedral group of order n, so n is always assumed to be even.

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[1] The nice thing about standards is that there are so many to choose from.

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- **References:**

- ◆ [is C2xD5 isomorphe with D10?](#)  
 ◇ From: Scoobidoo
- ◆ [Re: is C2xD5 isomorphe with D10?](#)  
 ◇ From: abe . buckingham
- ◆ [Re: is C2xD5 isomorphe with D10?](#)  
 ◇ From: Rupert

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