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Some examples and remarks concerning groups.

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Summary: We present some examples and remarks which may be helpful to those who are dealing with an abstract algebra or a first semester group theory course. Alternating groups, dihedral groups, and symmetric groups of small orders are treasure troves of elementary examples and counter examples concerning groups.

Classification: H45

Keywords: groups of small orders; alternating groups; Cauchy theorem; dihedral groups; Lagrange theorem; symmetric groups; Sylow theorems; examples; counterexamples

<http://www.m-hikari.com/ija/ija-2013/ija-5-8-2013/azarianIJA5-8-2013.pdf>