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example of divisible group

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Entry type Example Classification msc 20K99 Let G denote the group of rational numbers taking the operation to be addition. Then for any $\frac{p}{q} \in G$ and $n \in \mathbb{Z}^+$, we have $\frac{p}{nq} \in G$ satisfying $n\frac{p}{nq} = \frac{p}{q}$, so the group is divisible.