

Reading Questions

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4. True or false, with reasons.

(a) Every finitely generated group is finite.

(b) Every group of order 19 is isomorphic to $\mathbb{Z}_{19}$.

(c) Every group of order 8 is isomorphic to one of the following: $\mathbb{Z}_2 \times \mathbb{Z}_2 \times \mathbb{Z}_2$, $\mathbb{Z}_2 \times \mathbb{Z}_4$, or $\mathbb{Z}_8$.

5. What struck you in this reading? What is still unclear? What remaining questions do you have?