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- 1. What is the order of the group $Z_4 \oplus Z_5$? (i.e. how many elements are there in this group?)
- 2. Could D_6 have a subgroup of order 5? Why or why not?
- 3. If $H \leq G$ and $a \in G$, what is the set aH? Your answer should be of the form: $aH = \{\underline{\qquad} s.t.\underline{\qquad}\}.$

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