























Example: Symmetries of the Oriented Equilateral Triangle

$$\mathbb{Z}_3 = (\rho:\rho^3 = 1)$$
Cyclic Group of Order 3

Example: Symmetries of the Regular n-gon
$$\left(\rho, \sigma: \rho^n = 1, \sigma^2 = 1, \rho^{n-1}\sigma = \sigma\rho\right)$$
Dihedral Group D_n









