mothematicions had for centuries. They know they were choosing laws first, then petrofitting a meaning. That's why negative numbers were resisted for so long. They seemed to exist lonly as artifacts of l ules, not as natural objects. It wasn't will the 19th century (Dedekind, Hamilton, Peano) that people said: "Apithmotic isn't about the in nature; it's about building a consistent system from anions." This is the birth of structural mathematics. 1. The deeper philosophical question you are asking Should arithmetic reflect reality, or should itube a consistent symbolic system? The Ancients leaned toward reality: numbers.