A NEW APPROACH TO RING THEORY

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Here we define a ring as a nonempty set with 0, ± 1 and satisfying certain axioms and bring in the equivalence of both the definitions and prove some classical results in this set up. The main advantage in using this definition is that ideals are completely contained in a section of the ring, which is readily available by the new definition and elements like zero divisors, nilpotent elements and idempotents are contained in the same section.