One of the goals of the Common Core State Standards is to present a coherent view of mathematics through all grades. But the Standards still retain existing contradictions in the same material that is presented in different grades under different headings. The talk will contain: (1) examples of contradictions; (2) problems they create for students; (3) problems they create for teachers; and (4) one way (among several) that the material can be presented in a consistent manner at all grade levels. (Received August 24, 2011)