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Titolo	The Whole Truth About Whole Numbers : An Elementary Introduction to Number Theory // by Sylvia Forman, Agnes M. Rash
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Descrizione fisica	1 online resource (XVII, 281 p. 14 illus., 9 illus. in color.)
Disciplina	512.7
Soggetti	Number theory Numerical analysis Mathematics Number Theory Numerical Analysis Mathematics, general
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Conjectures, Proofs and Counterexamples -- Pythagorean Triples -- Prime Numbers -- The Division Algorithm and the Euclidean Algorithm -- Congruences -- Numerical Functions and Special Congruences -- Cryptography.
Sommario/riassunto	The Whole Truth About Whole Numbers is an introduction to the field of Number Theory for students in non-math and non-science majors who have studied at least two years of high school algebra. Rather than giving brief introductions to a wide variety of topics, this book provides an in-depth introduction to the field of Number Theory. The topics covered are many of those included in an introductory Number Theory course for mathematics majors, but the presentation is carefully tailored to meet the needs of elementary education, liberal arts, and other non-mathematical majors. The text covers logic and proofs, as well as major concepts in Number Theory, and contains an abundance of worked examples and exercises to both clearly illustrate concepts and evaluate the students' mastery of the material.

