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Understanding numbers in elementary school mathematics.

Providence, RI: American Mathematical Society (AMS) (ISBN 978-0-8218-5260-6/hbk). xxxii, 551 p. (2011).

This book gives a look over of the arithmetic of different numeric fields to the rational numbers, from the perspective of mathematics for elementary school. A brief chapter is dedicated to the theory of numbers to look into rules of divisibility, primes numbers and divisors. This book reflects a didactic approach in all of its parts that should be very useful for students of mathematics education, as well as for teachers of mathematics in elementary schools during their professional exercise. A collection of practical activities is presented.

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Classification: F39 F49 F59 F99 B52

Keywords: number concept; standard algorithm; rational number; number theory; teacher education; primary schools