



## The Xs and Whys of Algebra: Key Ideas and Common Misconceptions

By Anne Collins, Linda Dacey

Stenhouse Publishers. Other printed item. Book Condition: new. BRAND NEW, The Xs and Whys of Algebra: Key Ideas and Common Misconceptions, Anne Collins, Linda Dacey, In many ways, algebra can be as challenging for teachers as it is for students. With so much emphasis placed on procedural knowledge and the manipulations of variables and symbols, it can be easy to lose sight of the key ideas that underlie algebraic thinking and the relevance algebra has to the real world. In the "The Xs and Whys of Algebra: Key Ideas and Common Misconceptions," Anne Collins and Linda Dacey provide a set of thirty research-based modules designed to engage all students in mathematical learning that develops conceptual understanding, addresses common misconceptions, and builds key ideas that are essential to future learning. For use in seventh- to ninth-grade courses focused on an introduction to formal algebra, this flipchart emphasizes five essential algebraic concepts: using variables meaningfully; using multiple representations for expressions; connecting algebra with number; connecting algebra with geometry; and manipulating symbols with understanding. The thirty research-based modules in this spiral-bound flipchart are designed to engage all students in mathematical learning that develops conceptual understanding, addresses common misconceptions, and builds key ideas essential to...



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