

ALGEBRA WARM-UPS

prime numbers
 13^2

$$a+b=b+a$$

Number Sense and Operations

INTRODUCTION

Algebra Warm-Ups series has been designed to supplement any algebra curriculum. Each of the five books contains 180 problems that reinforce key algebra concepts and prepare students to take standardized assessments. Created for struggling students with low reading levels, the books can also be used with ESL students and adult learners. Each question has been written using standard mathematics vocabulary and the wording commonly found on high-stakes tests. However, the general reading level has been kept low through careful selection of reading vocabulary and use of simple sentence structures. Subject-related vocabulary words are printed in bold, drawing students' attention to the key terms required to comprehend each question.

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The five books that comprise the *Algebra Warm-Ups* series cover all five strands of mathematics, as identified by the National Council of Teachers of Mathematics (NCTM). Each book provides 180 open-ended questions (one for each day of the school year) that cover all the objectives in each strand. The questions are varied in their approach of soliciting a response. Students are asked to make mathematical connections within the subject of mathematics or to the world outside. Communication is involved in questions when students are asked to explain their answers or to create a table, graph, or rule from the information provided. Many problems require spatial reasoning, the ability to use proportions, and both inductive and deductive reasoning. Problem-solving skills are practiced throughout with open-ended problems that ask students to represent various situations symbolically.

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Five Books

The titles of the five books in the series are:

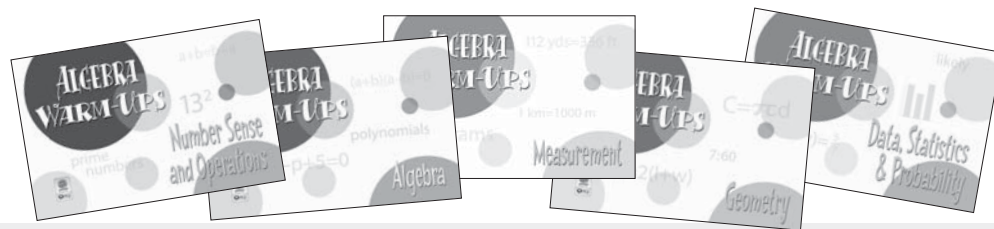
Algebra Warm-Ups: Number Sense and Operations

Algebra Warm-Ups: Algebra

Algebra Warm-Ups: Measurement

Algebra Warm-Ups: Geometry

Algebra Warm-Ups: Data, Statistics & Probability



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Two Sections

This book is divided into two sections. The first section contains 180 open-ended questions from the Number Sense and Operations strand. The second section of the book is the Answer Key, which includes answers to all the questions.

