

Algebra

| Concept/Skill | 2005 Core Curriculum |
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| Simple Patterning | Grades Prekindergarten-1 |
| Patterns with Numerical Relationships | Grades 2-4 |
| Geometric Patterns | Grades 1-5 |
| Algebraic Patterns | Grades 5-8 |
| Symbolism (<, =, >) | Grade 2 (whole numbers) Grade 3 (fractions) Grade 4 (decimals) Grade 5 (fractions and decimals) |
| Variables and Expressions (Definitions) | Grade 5 |
| Translating Expressions Containing Variables | Grade 5 (one-step expressions and equations) Grades 6-7 (two-step expressions and equations) Grade 8 (multi-step inequalities) |
| Evaluating Expressions Containing Variables | Grade 6 (exponents of one, two, or three) Grade 7 (absolute value and/or integral exponents > 0) |
| Solving Open Sentences Containing < or > | Grade 4 |
| Relations and Functions | Grade 4 (relations) Grade 7 (write from table of values) Grade 8 (domain and range; formal |