NEWTON Education Group

QUICK SMART™ Math Level 1

Common Core Correlations GRADE 3

Domain	Content	Pages
Operations and Algebraic Thinking		
• Use the four operations with whole numbers to solve problems. • Gain familiarity with factors and multiples. • Generate and analyze patterns.	*Glossary of Math Terms* *Think Like a Mathematician* *Math Investigations (Independent Research)*	6-45 59-67 68 and 69
Numbers and Operations in Base Ten		
• Generalize place value understanding for multi-digit whole numbers. • Use place value understanding and properties of operations to perform multi-digit arithmetic.	*Glossary of Math Terms* *Think Like a Mathematician* *Math Investigations (Independent Research)*	6-45 59-67 68 and 69
Number and Operations—Fractions		
• Extend understanding of fraction equivalence and ordering. • Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers. • Understand decimal notation for fractions, and compare decimal fractions.	*Glossary of Math Terms* *Think Like a Mathematician* *Math Investigations (Independent Research)*	6-45 59-67 68 and 69
Measurement and Data		
• Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit. • Represent and interpret data. • Geometric measurement: understand concepts of angle and measure angles.	*Glossary of Math Terms* *Units of Measure* *Think Like a Mathematician* *Math Investigations (Independent Research)*	6-45 58 59-67 68 and 69
Geometry		
• Draw and identify lines and angles, and classify shapes by properties of their lines and angles.	*Glossary of Math Terms* *Think Like a Mathematician* *Math Investigations (Independent Research)*	6-45 59-67 68 and 69

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QUICK SMART™ Math Level 1

Common Core Correlations GRADE 4

Domain	Content	Pages
Operations and Algebraic Thinking		
• Use the four operations with whole numbers to solve problems. • Gain familiarity with factors and multiples. • Generate and analyze patterns.	*Glossary of Math Terms* *Addition and Multiplication Tables* *Think Like a Mathematician* *Math Investigations (Independent Research)*	6-45 46 and 47 59-67 68 and 69
Numbers and Operations in Base Ten		
• Generalize place value understanding for multi-digit whole numbers. • Use place value understanding and properties of operations to perform multi-digit arithmetic.	*Glossary of Math Terms* *Think Like a Mathematician* *Math Investigations (Independent Research)*	6-45 59-67 68 and 69
Number and Operations—Fractions		
• Extend understanding of fraction equivalence and ordering. • Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers. • Understand decimal notation for fractions, and compare decimal fractions.	*Glossary of Math Terms* *Think Like a Mathematician* *Math Investigations (Independent Research)*	6-45 59-67 68 and 69
Measurement and Data		
• Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit. • Represent and interpret data. • Geometric measurement: understand concepts of angle and measure angles.	*Glossary of Math Terms* *Units of Measure* *Think Like a Mathematician* *Math Investigations (Independent Research)*	6-45 58 59-67 68 and 69
Geometry		
• Draw and identify lines and angles, and classify shapes by properties of their lines and angles.	*Glossary of Math Terms* *Think Like a Mathematician* *Math Investigations (Independent Research)*	6-45 59-67 68 and 69

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QUICK SMART™ Math Level 1

Common Core Correlations GRADE 5

Domain	Content	Pages
Operations and Algebraic Thinking		
• Write and interpret numerical expressions. • Analyze patterns and relationships.	*Glossary of Math Terms* *Think Like a Mathematician* *Math Investigations (Independent Research)*	6-45 59-67 68 and 69
Numbers and Operations in Base Ten		
• Understand the place value system. • Perform operations with multi-digit whole numbers and with decimals to hundredths.	*Glossary of Math Terms* *Think Like a Mathematician* *Math Investigations (Independent Research)*	6-45 59-67 68 and 69
Number and Operations—Fractions		
• Use equivalent fractions as a strategy to add and subtract fractions. • Apply and extend previous understandings of multiplication and division to multiply and divide fractions.	*Glossary of Math Terms* *Think Like a Mathematician* *Math Investigations (Independent Research)*	6-45 59-67 68 and 69
Measurement and Data		
• Convert like measurement units within a given measurement system. • Represent and interpret data. • Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.	*Glossary of Math Terms* *Units of Measure* *Think Like a Mathematician* *Math Investigations (Independent Research)*	6-45 58 59-67 68 and 69
Geometry		
• Graph points on the coordinate plane to solve real-world and mathematical problems. • Classify two-dimensional figures into categories based on their properties.	*Glossary of Math Terms* *Think Like a Mathematician* *Math Investigations (Independent Research)*	6-45 59-67 68 and 69