



Parent's Guide to *GO Math!* Technology Correlation



Not sure how to help your child with homework? Looking for extra practice to help your child succeed? **GO Math!**[®] Grade 5 has a variety of resources that can help you understand lesson content and provide your child with educational opportunities online.

These resources can be accessed through your child's ThinkCentral account. After logging in, click on Student Library and you'll find the resources described below. The items in the Student Library are for practice at any time. Usage and results are not sent to the teacher. Make sure you also check your child's To Do list, which may contain assignments from the teacher that will send results to the teacher.

Interactive Student Edition

These activities explain the content of the lesson using a few examples. The last two screens offer practice problems from the **Personal Math Trainer**[®] Powered by Knewton[™].

Math on the Spot

These videos feature a **GO Math!** author discussing lesson content and solving a problem that exemplifies lesson content. They can also be accessed via the QR codes in the print student book.

Animated Math Models^{*}

These mini-lessons focus on a specific skill that relates to the lesson.

iTools^{*}

These virtual manipulatives may be used in the classroom to help students model and discuss problems in the lesson.

Mega Math^{*}

This game-like environment will challenge students to answer questions related to the lesson content.

^{*}These online resources require Flash[®].

Chapter 1: Place Value, Multiplication, and Expressions

Lesson Number	Lesson Title	Interactive Student Edition	Math on the Spot Video	Animated Math Models		iTools	Mega Math	Vocabulary
				Activity Name	Skill Number			
1	Investigate • Place Value and Patterns	✓	✓			Base-Ten Blocks—Activity 1: Show (Thousands)		Commutative Property of Addition, Identity Property of Addition, pattern, even, odd
2	Place Value of Whole Numbers	✓	✓	Place Value	1		The Number Games, Tiny's Think Tank, Level A	Round
3	Algebra • Properties	✓	✓	Algebra: Properties and Mental Math Strategies	2	Counters—Activity 2: Compare (Counters)		Compatible numbers, estimate
4	Algebra • Powers of 10 and Exponents	✓	✓	Exponents	3	Base-Ten Blocks—Activity 1: Show (Thousands)	Ice Station Exploration, Arctic Algebra, Level U	
5	Algebra • Multiplication Patterns	✓	✓	Multiplication Patterns	4			Associative Property of Addition
6	Multiply by 1-Digit Numbers	✓	✓	Multiply by 1-Digit Numbers	5	Base-Ten Blocks—Activity 5: Multiply	The Numbers Games, Up, Up, and Array, Level J	
7	Multiply by 2-Digit Numbers	✓	✓	Multiply by 2-Digit Numbers	6		The Numbers Games, Up, Up, and Array, Level K	Regroup
8	Relate Multiplication to Division	✓	✓					
9	Problem Solving • Multiplication and Division	✓	✓					
10	Algebra • Numerical Expressions	✓	✓					
11	Algebra • Evaluate Numerical Expressions	✓	✓	Order of Operations	7		Ice Station Exploration, Arctic Algebra, Levels Q and R	
12	Algebra • Grouping Symbols	✓	✓					

Chapter 2: Divide Whole Numbers

Lesson Number	Lesson Title	Interactive Student Edition	Math on the Spot Video	Animated Math Models		iTools	Mega Math	Vocabulary
				Activity Name	Skill Number			
1	Place the First Digit	✓	✓	Place the First Digit	8	Base-Ten Blocks—Activity 6: Divide	The Number Games, Up, Up, and Array, Levels O and P	Dividend, divisor, quotient, remainder
2	Divide by 1-Digit Divisors	✓	✓	Divide by 1-Digit Divisors Zeros in Division	9 10	Base-Ten Blocks—Activity 6: Divide Base-Ten Blocks—Activity 1: Show (Thousands)		Inverse operations
3	Investigate • Division with 2-Digit Divisors	✓	✓			Base-Ten Blocks—Activity 6: Divide		Partial quotients
4	Partial Quotients	✓	✓				The Number Games, Up, Up, and Array, Level R	Partial quotients
5	Estimate with 2-Digit Divisors	✓	✓	Division Patterns to Estimate Estimate With Two-Digit Divisors	11 12			Compatible numbers, estimate
6	Divide by 2-Digit Divisors	✓	✓	Divide by 2-Digit Divisors	13		The Number Games, Up, Up, and Array, Levels R and S	
7	Interpret the Remainder	✓	✓			Base-Ten Blocks—Activity 6: Divide	The Number Games, Up, Up, and Array, Level L	
8	Adjust Quotients	✓	✓	Correcting Quotients	14			
9	Problem Solving • Division	✓	✓				The Number Games, Up, Up, and Array, Levels R and S	

Chapter 3: Add and Subtract Decimals

Lesson Number	Lesson Title	Interactive Student Edition	Math on the Spot Video	Animated Math Models		iTools	Mega Math	Vocabulary
				Activity Name	Skill Number			
1	Investigate • Thousandths	✓	✓	Place Value of Decimals	15			Thousandth, hundredth, tenth, place value
2	Place Value of Decimals	✓	✓				Fraction Action, Number Line Mine, Level M	
3	Compare and Order Decimals	✓	✓	Compare and Order Decimals	16		Fraction Action, Number Line Mine, Levels P and Q	
4	Round Decimals	✓	✓				Fraction Action, Number Line Mine, Level R	Round
5	Investigate • Decimal Addition	✓	✓					
6	Investigate • Decimal Subtraction	✓	✓					
7	Estimate Decimal Sums and Differences	✓	✓	Estimate Sums and Differences	17			Benchmark
8	Add Decimals	✓	✓				The Number Games, Buggy Bargains, Level E	
9	Subtract Decimals	✓	✓	Add and Subtract Decimals	18			
10	Algebra • Patterns with Decimals	✓	✓					Sequence, term
11	Problem Solving • Add and Subtract Money	✓	✓			Measurement—Activity 5: Money (Explore)	The Number Games, Buggy Bargains, Level I	
12	Choose a Method	✓	✓					

Chapter 4: Multiply Decimals

Lesson Number	Lesson Title	Interactive Student Edition	Math on the Spot Video	Animated Math Models		iTools	Mega Math	Vocabulary
				Activity Name	Skill Number			
1	Algebra • Multiplication Patterns with Decimals	✓	✓					Decimal, hundredths, multiplication, ones, pattern, place value, product, tenths, thousandths
2	Investigate • Multiply Decimals and Whole Numbers	✓	✓			Base-Ten Blocks—Activity 5: Multiply		
3	Multiplication with Decimals and Whole Numbers	✓	✓					
4	Multiply Using Expanded Form	✓	✓					Expanded form
5	Problem Solving • Multiply Money	✓	✓				The Number Games, Buggy Bargains, Level J	
6	Investigate • Decimal Multiplication	✓	✓				The Number Games, Tiny's Think Tank, Level R	
7	Multiply Decimals	✓	✓	Multiply Decimals	19	Base-Ten Blocks—Activity 5: Multiply		
8	Zeros in the Product	✓	✓					

Chapter 5: Divide Decimals

Lesson Number	Lesson Title	Interactive Student Edition	Math on the Spot Video	Animated Math Models		iTools	Mega Math	Vocabulary
				Activity Name	Skill Number			
1	Algebra • Division Patterns with Decimals	✓	✓					Decimal, decimal point, dividend, divisor, exponent, quotient
2	Investigate • Divide Decimals by Whole Numbers	✓	✓					Hundredth, tenth
3	Estimate Quotients	✓	✓					Compatible numbers, estimate
4	Division of Decimals by Whole Numbers	✓	✓	Divide Decimals by Whole Numbers	20		The Number Games, Buggy Bargains, Level M The Number Games, Tiny's Think Tank, Level S	
5	Investigate • Decimal Division	✓	✓					
6	Divide Decimals	✓	✓				The Number Games, Buggy Bargains, Level M The Number Games, Tiny's Think Tank, Level S	
7	Write Zeros in the Dividend	✓	✓	Divide Decimals by Decimals	21			Equivalent fractions, remainder
8	Problem Solving • Decimal Operations	✓	✓				The Number Games, Buggy Bargains, Levels N and O	

Chapter 6: Add and Subtract Fractions with Unlike Denominators

Lesson Number	Lesson Title	Interactive Student Edition	Math on the Spot Video	Animated Math Models		iTools	Mega Math	Vocabulary
				Activity Name	Skill Number			
1	Investigate • Addition with Unlike Denominators	✓	✓			Fractions—Activity 3: Add (Fraction Bars)	Fraction Action, Fraction Flare Up, Level I	Sum
2	Investigate • Subtraction with Unlike Denominators	✓	✓	Add and Subtract Fractions with Unlike Denominators	22	Fractions—Activity 7: Explore (Fraction Bars)	Fraction Action, Fraction Flare Up, Level J	Difference
3	Estimate Fraction Sums and Differences	✓	✓	Estimate Sums and Differences	23		Fraction Action, Number Line Mine, Level K	Benchmark
4	Common Denominators and Equivalent Fractions	✓	✓			Number Charts—Activity 1: Hundred Chart (Show Patterns)	Fraction Action, Fraction Flare Up, Level D	Common denominator, common multiples, equivalent fractions
5	Add and Subtract Fractions	✓	✓	Add and Subtract Unlike Fractions	24	Fractions—Activity 3: Add (Fraction Bars) Fractions—Activity 4: Subtract (Fraction Bars)	Fraction Action, Fraction Flare Up, Level K	Simplest form
6	Add and Subtract Mixed Numbers	✓	✓	Record Addition and Subtraction with Mixed Numbers	25		The Number Games, Tiny's Think Tank, Level W	Mixed number
7	Subtraction with Renaming	✓	✓	Subtract Mixed Numbers with Renaming	26			
8	Algebra • Patterns with Fractions	✓	✓			Fractions—Activity 3: Add (Fraction Bars) Fractions—Activity 4: Subtract (Fraction Bars)	Fraction Action, Fraction Flare Up, Level K	Benchmark
9	Problem Solving • Practice Addition and Subtraction	✓	✓				The Number Games, Tiny's Think Tank, Level W	
10	Algebra • Use Properties of Addition	✓	✓			Fractions—Activity 3: Add (Fraction Bars)	Fraction Action, Fraction Flare Up, Level I	

Chapter 7: Multiply Fractions

Lesson Number	Lesson Title	Interactive Student Edition	Math on the Spot Video	Animated Math Models		iTools	Mega Math	Vocabulary
				Activity Name	Skill Number			
1	Find Part of a Group	✓	✓			Fractions—Activity 1: Show (Two-Color Counters)	Fraction Action, Fraction Flare Up, Level C	Denominator, numerator, product
2	Investigate • Multiply Fractions and Whole Numbers	✓	✓	Multiply Fractions and Whole Numbers	27	Fractions—Activity 7: Explore (Fraction Circles)		
3	Fraction and Whole Number Multiplication	✓	✓					
4	Investigate • Multiply Fractions	✓	✓	Multiply a Fraction by a Fraction	28	Fractions—Activity 5: Multiply	Fraction Action, Fraction Flare Up, Level O	Equivalent fraction
5	Compare Fraction Factors and Products	✓	✓					
6	Fraction Multiplication	✓	✓	Multiply Fractions and Whole Numbers Multiply a Fraction by a Fraction	27 28		Fraction Action, Fraction Flare Up, Level O	Simplest form
7	Investigate • Area and Mixed Numbers	✓	✓					Mixed number
8	Compare Mixed Number Factors and Products	✓	✓			Fractions—Activity 5: Multiply		
9	Multiply Mixed Numbers	✓	✓					
10	Problem Solving • Find Unknown Lengths	✓	✓					

Chapter 8: Divide Fractions

Lesson Number	Lesson Title	Interactive Student Edition	Math on the Spot Video	Animated Math Models		iTools	Mega Math	Vocabulary
				Activity Name	Skill Number			
1	Investigate • Divide Fractions and Whole Numbers	✓	✓	Divide Whole Numbers by Fractions	29	Fractions—Activity 7: Explore (Fraction Bars)	Fraction Action, Fraction Flare Up, Level P	Dividend, fraction, quotient, whole number
2	Problem Solving • Use Multiplication	✓	✓					
3	Connect Fractions to Division	✓	✓				Fraction Action, Fraction Flare Up, Level E	
4	Fraction and Whole-Number Division	✓	✓	Divide Whole Numbers by Fractions	29		Fraction Action, Fraction Flare Up, Level P	
5	Interpret Division with Fractions	✓	✓					Equation

Chapter 9: Algebra: Patterns and Graphing

Lesson Number	Lesson Title	Interactive Student Edition	Math on the Spot Video	Animated Math Models		iTools	Mega Math	Vocabulary
				Activity Name	Skill Number			
1	Line Plots	✓	✓			Graphs—Activity 6: Line Plot		Data, line plot
2	Ordered Pairs	✓	✓	Graph Ordered Pairs Use a Coordinate Grid	30 31	Algebra—Activity 3: Coordinate Grids and Coordinate Planes (Points on a Grid)	The Number Games, ArachnaGraph, Level H	Ordered pair, origin, x-axis, x-coordinate, y-axis, y-coordinate
3	Investigate • Graph Data	✓	✓					Degree Fahrenheit (°F)
4	Line Graphs	✓	✓	Interpret Line Graphs	32	Graphs—Activity 5: Line Graph (Basic)	The Number Games, ArachnaGraph, Level I The Number Games, ArachnaGraph, Level J	Line graph, scale, interval
5	Numerical Patterns	✓	✓			Number Lines—Activity 3: Skip Count		
6	Problem Solving • Find a Rule	✓	✓			Algebra—Activity 4: Algebra Tiles (Add) and (Subtract)	Ice Station Exploration, Arctic Algebra, Levels J and K	
7	Graph and Analyze Relationships	✓	✓	Graph Ordered Pairs Use a Coordinate Grid	30 31	Algebra—Activity 3: Coordinate Grids and Coordinate Planes (Points on a Grid)	The Number Games, ArachnaGraph, Level H	

Chapter 10: Convert Units of Measure

Lesson Number	Lesson Title	Interactive Student Edition	Math on the Spot Video	Animated Math Models		iTools	Mega Math	Vocabulary
				Activity Name	Skill Number			
1	Customary Length	✓	✓	Change Linear Units	33	Measurement—Activity 2: Equivalent Measures (Length)	The Number Games, Tiny's Think Tank, Level M	Foot, inch, mile, yard
2	Customary Capacity	✓	✓	Customary Capacity	34	Measurement—Activity 2: Equivalent Measures (Capacity)	The Number Games, Tiny's Think Tank, Level N	Capacity, cup, fluid ounce, gallon, pint, quart
3	Weight	✓	✓	Customary Weight	35	Measurement—Activity 2: Equivalent Measures (Weight/Mass)	The Number Games, Tiny's Think Tank, Level O	Ounce, pound, ton, weight
4	Multistep Measurement Problems	✓	✓	Change Linear Units Customary Capacity Customary Weight	33 34 35	Measurement—Activity 2: Equivalent Measures (Capacity), (Length), and (Weight/Mass)	The Number Games, Tiny's Think Tank, Levels M, N, and O	
5	Metric Measures	✓	✓	Metric Capacity Mass	36 37		The Number Games, Tiny's Think Tank, Level Q	Dekameter, centimeter, decimeter, gram, kilogram, kilometer, liter, mass, meter, milligram, milliliter, millimeter
6	Problem Solving • Customary and Metric Conversions	✓	✓	Change Linear Units Customary Capacity	33 34	Number Charts—Activity 3: Multiplication Chart	The Number Games, Tiny's Think Tank, Levels I, M, and N	
7	Elapsed Time	✓	✓	Change Units of Time Elapsed Time on a Clock	38 39	Measurement—Activity 3: Clocks (Elapsed Time)	The Number Games, Tiny's Think Tank, Level D Country Countdown, Clock-a- Doodle-Do, Level K	Elapsed time

Chapter 11: Geometry and Volume

Lesson Number	Lesson Title	Interactive Student Edition	Math on the Spot Video	Animated Math Models		iTools	Mega Math	Vocabulary
				Activity Name	Skill Number			
1	Polygons	✓	✓	Polygons	40	Geometry—Activity 2: Plane Figures (Sides and Vertices) Geometry—Activity 5: Draw (Polygons)	Ice Station Exploration, Polar Planes, Level D	Congruent, polygon, regular polygon, heptagon, nonagon, decagon, hexagon, octagon, pentagon, quadrilateral
2	Triangles	✓	✓	Classify Triangles	41	Geometry—Activity 5: Draw (Polygons)	Ice Station Exploration, Polar Planes, Levels E and F	Equilateral triangle, isosceles triangle, scalene triangle, acute triangle, obtuse triangle, right triangle
3	Quadrilaterals	✓	✓	Classify Quadrilaterals	42		Ice Station Exploration, Polar Planes, Level G	Parallel lines, parallelogram, perpendicular lines, rectangle, rhombus, trapezoid
4	Problem Solving • Properties of Two-Dimensional Figures	✓	✓			Geometry—Activity 2: Plane Figures (Congruent)		Base, decagonal prism, hexagonal prism, lateral face, octagonal prism, pentagonal prism, pentagonal pyramid, polyhedron, prism, pyramid
5	Three-Dimensional Figures	✓	✓	Solid Figures	43	Geometry—Activity 1: Solid Figures (Different Views) Geometry—Activity 6: Explore (Plain and Solid Figures)	Ice Station Exploration, Frozen Solids, Levels A and K	Unit cube
6	Investigate • Unit Cubes and Solid Figures	✓	✓					Cubic unit, volume
7	Investigate • Understand Volume	✓	✓			Geometry—Activity 3: Area and Perimeter (Rectangle)	Shapes Ahoy, Undersea 3D, Level H	
8	Investigate • Estimate Volume	✓	✓					
9	Volume of Rectangular Prisms	✓	✓					
10	Algebra • Apply Volume Formulas	✓	✓	Find Volume	44		Ice Station Exploration, Frozen Solids, Level J	
11	Problem Solving • Compare Volumes	✓	✓					
12	Find Volume of Composed Figures	✓	✓					

NOTES

NOTES

GO MATH!

Connect with us:



Flash® is a registered trademark of Adobe Systems Incorporated in the United States and/or other countries. Knewton™ is a trademark of Knewton, Inc. Houghton Mifflin Harcourt™, HMH®, Personal Math Trainer® and design, and GO Math!® are trademarks or registered trademarks of Houghton Mifflin Harcourt. © Houghton Mifflin Harcourt. All rights reserved. Printed in the U.S.A. 08/16 MS181531

hmhco.com • 800.225.5425