

Parent's Guide to GO Math! Technology Correlation

Grade 4

Not sure how to help your child with homework? Looking for extra practice to help your child succeed? **GO Math!**[®] Grade 4 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.

		Chapter 1: Place Value, Addition, and Subtraction to One Million
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Lesson	Lesson Title	Interactive	Math on the	Animated M	ath Models	iTools	Mega Math	Vocabulary
Number	Lesson Title	Student Edition	Spot Video	Activity Name	Skill Number	110015	wiega wiath	vocabulary
1	Model Place Value Relationships	V	~			Base-Ten Blocks—Activity 1:		Digit, place value
2	Read and Write Numbers	V	v			Show (Thousands) Base-Ten Blocks—Activity 1: Show (Explore)	The Numbers Games, Tiny's Think Tank, Level A	Expanded form, period, standard form, word form, sum
3	Compare and Order Numbers	v	v	Compare Whole Numbers Order Whole Numbers	1 2	Base-Ten Blocks—Activity 2: Compare	Country Countdown, Harrison's Comparisons, Level M Numberopolis, Cross Town Number Line, Level V	Compare, equal sign, greater than sign, less than sign, number line, order
4	Round Numbers	V	~	Round Numbers	3		Fraction Action, Number Line Mine, Level C	Estimate, round
5	Investigate • Rename Numbers	V	V			Base-Ten Blocks—Activity 1: Show (Thousands)		Regroup
6	Add Whole Numbers	V	v			Base-Ten Blocks—Activity 3: Add (Hundreds)	Country Countdown, Block Busters Level V The Numbers Games, Tiny's Think Tank, Level B	Addend
7	Subtract Whole Numbers	v	v	Add and Subtract up to 4 Digits	4	Base-Ten Blocks—Activity 4: Subtract (Hundreds)	Country Countdown, Block Busters Level Y The Numbers Games, Tiny's Think Tank, Level C	Addition, difference
8	Problem Solving • Comparison Problems with Addition and Subtraction	V	v					

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Chapter 2: N		

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Lesson	Lesson Title	Interactive	Math on the	Animated Ma	ath Models	iTools	Mega Math	Vocabulary
Number	Lesson nue	Student Edition	Spot Video	Activity Name	Skill Number	TIOOIS	wega wath	vocabulary
1	Algebra • Multiplication Comparisons	~	~			Counters—Activity 5: Multiply		
2	Algebra • Comparison Problems	V	~		Counters—Activity 4: Subtract Counters—Activity 5: Multiply		Numberopolis; Carnival Stories, Level O	
3	Multiply Tens, Hundreds, and Thousands	V	V	Multiples of 10, 100, and 1,000	5	Number Charts—Activity 1: Hundred Chart (Number Pattern) Base-Ten Blocks—Activity 5: Multiply Number Lines—Activity 4: Multiply		Factor, multiply, number line, place value, product
4	Estimate Products	V	v	Estimate Products Mental Math: Estimate Products	6 7	Number Lines—Activity 5: Explore		Estimate, round
5	Investigate • Multiply Using the Distributive Property	V	V	Multiplication Properties	8	Base-Ten Blocks—Activity 5: Multiply		Distributive Property, partial product
6	Multiply Using Expanded Form	~	~			Base-Ten Blocks—Activity 1: Show (Explore)		Expanded form
7	Multiply Using Partial Products	V	V			Base-Ten Blocks—Activity 5: Multiply		
8	Multiply Using Mental Math	~	~	Multiplication Properties	8	Measurement—Activity 5: Money (Show Amounts)		Associative Property of Multiplication
9	Problem Solving • Multistep Multiplication Problems	V	V					
10	Multiply 2-Digit Numbers with Regrouping	V	V	Multiply 2-Digit by 1-Digit Numbers	9	Base-Ten Blocks—Activity 5:	The Number	Regroup
11	Multiply 3-Digit and 4-Digit Numbers with Regrouping	V	V	Multiply 3-Digit Numbers	10	Multiply	Games, Up, Up, and Array, Level J	
12	Algebra • Solve Multistep Problems Using Equations	V	V				lce Station Exploration, Arctic Algebra, Level Q	

Lesson	Lesson Title	Interactive	Math on the	Animated Math Models		iTools	Mega Math	Vocabulary
Number	Lesson nue	Student Edition	Spot Video	Activity Name	Skill Number	TIOUIS	Megamatri	Vocabulary
1	Multiply by Tens	V	v	Multiply by Tens	11	Number Charts—Activity 3: Multiplication Chart Base-Ten Blocks— Activity 5: Multiply Number Lines— Activity 4: Multiply	The Number Games, Up, Up, and Array, Levels C and I	Associative Property of Multiplication, factor, place value, product
2	Estimate Products	v	v	Mental Math: Estimate Products	7	Base-Ten Blocks— Activity 5: Multiply Number Lines— Activity 5: Explore		Compatible numbers, estimate, round
3	Investigate • Area Models and Partial Products	v	v			Base-Ten Blocks— Activity 5: Multiply Number Charts—Activity 3: Multiplication Chart		Partial product
4	Multiply Using Partial Products	~	~			Base-Ten Blocks— Activity 5: Multiply		
5	Multiply with Regrouping	V	V	Multiply by 2-		Base-Ten Blocks— Activity 5: Multiply		Commutative Property o Multiplication, regroup
6	Choose a Multiplication Method	V	v	Digit Numbers	12	Number Charts—Activity 3: Multiplication Chart	The Number Games, Up, Up, and Array, Level K	
7	Problem Solving • Multiply 2-Digit Numbers	V	v			Base-Ten Blocks— Activity 5: Multiply Base-Ten Blocks— Activity 4: Subtract (Ones)	Leverk	

Chapter 4: Divide by 1-	Digit Numbers
Chapter - Divide by 1-	

Lesson		Interactive	Math on the	Animated M	ath Models	iTe ala	MonsMath	Veeskular
Number	Lesson Title	Student Edition	Spot Video	Activity Name	Skill Number	iTools	Mega Math	Vocabulary
1	Estimate Quotients Using Multiples	v	v			Number Charts—Activity 1: Hundred Chart (Add)		Multiple, counting number, factor, multiplication, product
2	Investigate • Remainders	V	v	Model Division With Remainders	13	Counters—Activity 6: Divide	The Number Games, Up, Up, and Array, Level L	Remainder, divide, dividend, division, divisor, quotient
3	Interpret the Remainder	V	~					
4	Divide Tens, Hundreds, and Thousands	V	v	Division Patterns	14			Hudreds, ones, place value, tens, thousands
5	Estimate Quotients Using Compatible Numbers	V	v	Estimate With 1-Digit Divisors	15	Number Charts—Activity 3: Multiplication Chart		Compatible numbers
6	Investigate • Division and the Distributive Property	~	v			Base-Ten Blocks—Activity 6: Divide		Distributive Property
7	Investigate • Divide Using Repeated Subtraction	V	v	Relate Division and Subtraction	16	Counters—Activity 4: Subtract		
8	Divide Using Partial Quotients	~	v					Partial quotient
9	Investigate • Model Division with Regrouping	~	v			Base-Ten Blocks—Activity 6: Divide Counters—Activity 6: Divide		
10	Place the First Digit	~	v	Place the First Digit	17	Base-Ten Blocks—Activity 6: Divide	The Number Games, Up, Up, and Array, Levels M and N	
11	Divide by 1-Digit Numbers	V	v	Divide by 1-Digit Divisors Zeros in Division	18 19	Algebra—Activity 2: Input/Output Table	The Number Games, Up, Up, and Array, Levels O and P	
12	Problem Solving • Multistep Division Problems	~	v					

Chap	ter 5: Fact	ors, Multi	ples, an	d Pattern	IS			
Lesson Number	Lesson Title	Interactive Student Edition	Math on the Spot Video	Animated M	1	iTools	Mega Math	Vocabulary
1	Model Factors			Activity Name Factors and Multiples	Skill Number 20	Counters—Activity 1: Count (Counters) Number Charts—Activity 3: Multiplication Chart		Factor, array, product
2	Factors and Divisibility	V	V			Number Charte Activity 2	Ice Station Exploration, Arctic Algebra, Levels M and N	Divisible
3	Problem Solving • Common Factors	V	V			Number Charts—Activity 3: Multiplication Chart		Common factor
4	Factors and Multiples	v	V	Factors and Multiples	20	Numbers Charts—Activity 1: Hundred Chart (Number Patterns)	Ice Station Exploration, Arctic Algebra, Levels M and N	Common multiple, multip
5	Prime and Composite Numbers	V	V	Prime and Composite Numbers	21	Counters—Activity 6: Divide Numbers Charts—Activity 1: Hundred Chart (Number Patterns)		Composite number, prime number
6	Algebra • Number Patterns	V	V	Number Patterns	22		The Numbers Games, Tiny's Think Tank, Level K	Pattern, term

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Chapter 6: Fract	ion Fauival	lence and Com	narison
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Lesson		Interactive	Math on the	Animated M	ath Models			
Number	Lesson Title	Student Edition	Spot Video	Activity Name	Skill Number	iTools	Mega Math	Vocabulary
1	Investigate • Equivalent Fractions	v	v			Fractions—Activity 2: Compare (Fraction Bars) Fractions—Activity 2: Compare (Fraction Circles)	Fraction Action, Fraction Flare Up, Level D	Equivalent fractions, denominator, fraction, numerator
						Fractions—Activity 1: Show (Fraction Circles)	Fraction Action, Number	
2	Generate		~	Equivalent	23	Fractions—Activity 2: Compare (Fraction Bars)	Line Mine, Level E	
2	Equivalent Fractions	~		Fractions	23	Fractions—Activity 2: Compare (Fraction Circles)		
3	Simplest Form	V	V	Simplest Form	24	Fractions—Activity 7: Explore (Fraction Bars)	Fraction Action, Fraction Flare Up, Level E	Simplest form, common factor, denominator, equivalent fractions, factor, numerator
4	Common Denominators	~	~			Fractions—Activity 7: Explore (Fraction Circles)		Common denominator, common multiple, multiple
5	Problem Solving • Find Equivalent Fractions	v	~	Equivalent Fractions	23	Fractions—Activity 2:	Fraction Action, Fraction Flare Up, Level D Fraction Action, Number Line Mine, Level E	
6	Compare Fractions Using Benchmarks	V	v	Compare Fractions	25	Compare (Fraction Bars) Fractions—Activity 2: Compare (Fraction Circles)	Shapes Ahoy! Ship Shapes, Level V Fraction Action, Fraction Flare Up, Level F	Benchmark
7	Compare Fractions	V	~				Fraction Action, Number Line Mine, Level I	Common denominator, common numerator
8	Compare and Order Fractions	v	v	Compare and Order Fractions	26	Number Lines—Activity 5: Explore	Fraction Action, Fraction Flare Up, Level F Fraction Action, Number Line Mine, Level I	

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Lesson Number	Lesson Title	Interactive Student Edition	Math on the Spot Video	Activity Name	Skill Number	iTools	Mega Math	Vocabulary
						Fractions—Activity 1: Show (Fraction Circles)		
1	Investigate • Add and Subtract Parts of a Whole	~	~			Fractions—Activity 7: Explore (Fraction Bars)		Fraction
						Fractions—Activity 7: Explore (Fraction Circles)		
2	Write Fractions as	~	~			Fractions—Activity 1: Show (Fraction Bars)		Unit fraction,
Z	Sums	V				Fractions—Activity 1: Show (Fraction Circles)		denominator, numerator
2	Add Fractions Using				27	Fractions—Activity 1: Show (Fraction Bars)	Fraction Action, Fraction	
3	Models	~	~	Add Like Fractions	27	Fractions—Activity 3: Add (Fraction Bars)	Flare Up, Level G	
	Subtract Fractions			Subtract Like	22	Fractions—Activity 4: Subtract (Fraction Bars)	Fraction Action, Fraction	
4	Using Models	~	~	Fractions	28	Fractions—Activity 4: Subtract (Fraction Circles)	Flare Up, Level H	
	Add and Subtract			Add and Subtract		Fractions—Activity 3: Add (Fraction Bars)	Fraction Action, Fraction	
5	Fractions	~	~	Like Fractions	29	Fractions—Activity 4: Subtract (Fraction Bars)	Flare Up, Levels G and H	
6	Rename Fractions and Mixed Numbers	~	~	Rename Fractions and Mixed Numbers	30	Fractions—Activity 7: Explore (Fraction Bars)	Fraction Action, Number Line Mine, Level F	Mixed number, simplest form
7	Add and Subtract Mixed Numbers	~	~	Add and Subtract Mixed Numbers	31	Fractions—Activity 7: Explore (Fraction Circles)		
8	Subtraction with Renaming	~	~	Subtraction with Renaming	32	Fractions—Activity 7: Explore (Fraction Bars)		
9	Algebra • Fractions and Properties of Addition	v	~					Associative Property of Addition, Commutative Property of Addition
10	Problem Solving • Multistep Fraction Problems	V	~			Fractions—Activity 7: Explore (Fraction Circles)		

Lesson	Lesson Title	Interactive	Math on the	Animated M	lath Models	iTools	Mega Math	Vocabulary
Number	Lesson Inte	Student Edition	Spot Video	Activity Name	Skill Number	TIOOIS	Megamath	vocabulary
1	Multiples of Unit Fractions	V	V			- Fractions—Activity 1: Show (Fraction Bars) Fractions—Activity 1: Show (Fraction Circles)	Shapes Ahoy, Ship Shapes, Levels R and S Fraction Action, Fraction Flare Up, Levels A and B	Fraction, multiple product, unit fraction
2	Multiples of Fractions	V	V					
3	Multiply a Fraction by a Whole Number Using Models	V	V	Multiply Fractions and Whole Numbers	33			
4	Multiply a Fraction or Mixed Number by a Whole Number	V	v	Multiply	33		Fraction Action, Number	Identity Property of Multiplication
5	Problem Solving • Comparison Problems with Fractions	V	V	Fractions and Whole Numbers		Fractions—Activity 1: Show (Fraction Bars)	Line Mine, Levels F and L	

Lesson	Lesson Title	Interactive Student Edition	Math on the Spot Video	Animated Math Models		Ta a la	Marina Martha	
Number	Lesson little			Activity Name	Skill Number	iTools	Mega Math	Vocabulary
1	Relate Tenths and Decimals	V	v	Model Tenths	34	Number Lines—Activity 5: Explore		Decimal, decimal point, tenth, compare, fraction place value, whole
2	Relate Hundredths and Decimals	v	v	Model Hundredths	35		Fraction Action, Fraction Flare Up, Level L Fraction Action, Number Line Mine, Level N	Hundredth
3	Equivalent Fractions and Decimals	V	v	Equivalent Decimals	36		Fraction Action, Fraction Flare Up, Level M	Equivalent decimals, Equivalent fractior
4	Relate Fractions, Decimals, and Money	v	v	Relate Fractions, Decimals, and Money	37	Measurement—Activity 5: Money (Show Amounts) Measurement—Activity 5: Money (Explore)	Fraction Action, Number Line Mine, Level N	
5	Problem Solving • Money	V	V					
6	Add Fractional Parts of 10 and 100	V	V					
7	Compare Decimals	v	v			Fractions—Activity 2: Compare (Fraction Bars) Number Lines—Activity 5: Explore	Fraction Action, Number Line Mine, Level P	

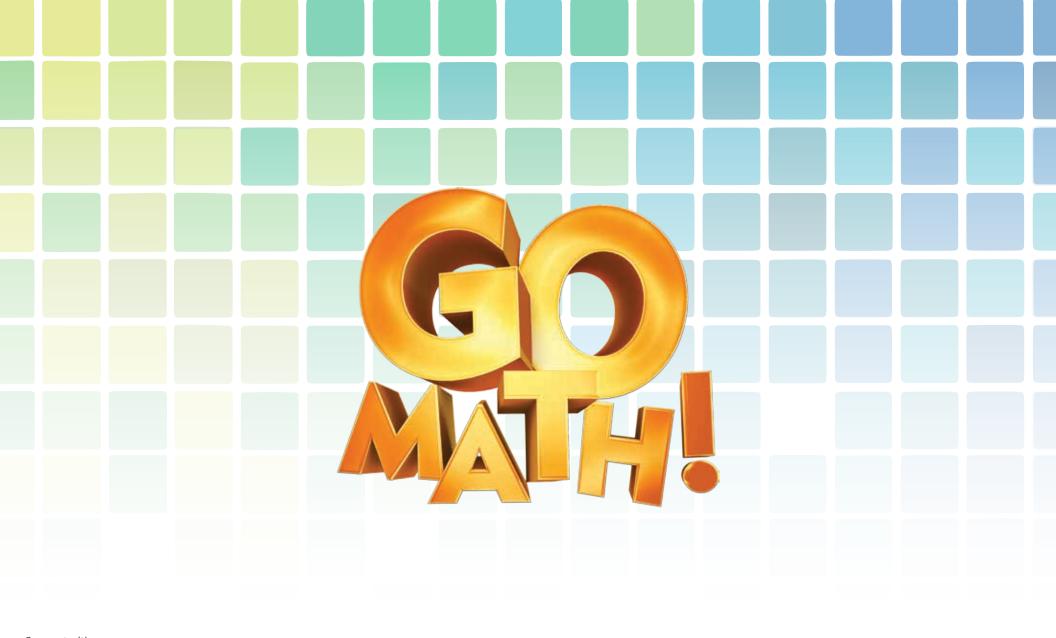
Lesson Number		Interactive Student Edition	Math on the Spot Video	Animated Math Models		177- I	Moga Math	Veesbulen
	Lesson little			Activity Name	Skill Number	iTools	Mega Math	Vocabulary
1	Lines, Rays, and Angles	V	V	Points, Lines, and Rays Classify Angles	38 39	Geometry—Activity 5: Draw (Segments, Lines, and Rays) Geometry—Activity 5: Draw (Angles)	Ice Station Exploration, Polar Planes, Level B	Acute angle, angle, line line segment, obtuse angle, point, ray, right angle, straight angle
2	Classify Triangles	v	V			Geometry—Activity 5: Draw (Polygons)		Acute triangle, obtuse triangle, right triangle, polygon, triangle, Venr diagram
3	Parallel Lines and Perpendicular Lines	v	v	Types of Lines	40	Geometry—Activity 5: Draw (Segments, Lines, and Rays)	Ice Station Exploration, Polar Planes, Level C	Intersecting lines, parallel lines, perpendicular lines
4	Classify Quadrilaterals	v	v	Quadrilaterals	41	Geometry—Activity 5: Draw (Polygons) Geometry—Activity 6: Explore (Plane and Solid Figures)	Ice Station Exploration, Polar Planes, Level G	Parallelogram, rectangl rhombus, square, trapezoid, quadrilatera
5	Line Symmetry	v	v			Geometry—Activity 2: Plane	Ice Station Exploration, Polar Planes, Levels J and K Shapes Ahoy!, Ship Shapes, Levels M and N	Line of symmetry, line symmetry, diagonal, horizontal, vertical
6	Find and Draw Lines of Symmetry	v	v	Symmetry	42	Figures (Symmetry)		Hexagon, regular polygo
7	Problem Solving • Shape Patterns	v	v	Geometric Patterns	43	Counters—Activity 8: Explore (Make Patterns)	Shapes Ahoy, Ship Shapes, Level B The Numbers Games, Tiny's Think Tank, Levels J and U	

Chap	ter 11: Angl	es						
Lesson	Lesson Title	Interactive	Math on the	Animated M	1	iTools	Mega Math	Vocabulary
Number		Student Edition	Spot Video	Activity Name	Skill Number			, ,
1	Investigate • Angles and Fractional Parts of a Circle	~	V			Geometry—Activity 5: Draw (Segments, Lines, and Rays) Fractions—Activity 7: Explore (Fraction Circles)		Clockwise, counterclockwise angle, circle, ray, vertex
2	Degrees	v	V			Geometry—Activity 5: Draw (Angles) Fractions—Activity 7: Explore (Fraction Circles)		Degree ^o , acute, angle, obtuse angle, right angle straight angle
3	Measure and Draw Angles	v	~	Measure and Classify Angles	44			Protractor
4	Investigate • Join and Separate Angles	v	v			Geometry—Activity 5: Draw (Angles)		
5	Problem Solving • Unknown Angle Measures	v	v					

Chapter 12: Relative Sizes of Measurement Units

Lesson	Lesson Title	Interactive	Math on the	Animated Math Models		iTools	Maga Math	Vocabulary
Number	Lesson The	Student Edition	Spot Video	Activity Name	Skill Number	TIOOIS	Mega Math	vocabulary
1	Measurement Benchmarks	~	~				Ice Station Exploration, Linear Lab, Levels E and I	Kilometer, mile, benchmark
							Ice Station Exploration, Linear Lab, Level E	
2	Customary Units of Length	V	~	Length	45	Measurement—Activity 2: Equivalent Measures (Length)	Shapes Ahoy! Made to Measure, Level J	Foot, inch, weight, yard
							The Numbers Games, Tiny's Think Tank, Level M	
3	Customary Units of Weight	V	V	Customary Weight	46	Measurement—Activity 2: Equivalent Measures (Weight/Mass) Measurement—Activity 1: Balance and Scale (Balance)	The Numbers Games, Tiny's Think Tank, Level O	Ounce, pound, ton
4	Customary Units of Liquid Volume	V	V	Customary Capacity	47	Measurement—Activity 2: Equivalent Measures (Capacity)	The Numbers Games, Tiny's Think Tank, Level N	Cup, fluid ounce, gallon, half gallon, liquid volume, pint, quart
5	Line Plots	~	~			Graphs—Activity 6: Line Plot	The Numbers Games, ArachnaGraph, Levels E and F	Line plot
6	Investigate • Metric	~	~	Metric Length	48		Ice Station Exploration, Linear Lab, Levels H, I, and J	Decimeter, millimeter, centimeter, kilometer,
0	Units of Length			Change Metric Linear Units	49		Shapes Ahoy!, Made to Measure, Level I	meter
7	Metric Units of Mass and Liquid Volume	V	v	Mass Metric Capacity	50 51		The Numbers Games, Tiny's Think Tank, Level Q	Millileter, gram, kilogram, liter
8	Units of Time	V	~	Change Units of Time	52	Measurement—Activity 3: Clocks (Time on a Clock)		Second, day, hour, minute, month, week, year
9	Problem Solving • Elapsed Time	V	V	Elapsed Time on a Clock	53	Measurement—Activity 3: Clocks (Elapsed Time)	The Numbers Games, Tiny's Think Tank, Level D Country Countdown, Clock-a- Doodle-Doo, Level K	A.M., elapsed time, P.M.
						Measurement—Activity 2: Equivalent Measures (Capacity)		
10	Mixed Measures	V	v			Measurement—Activity 2: Equivalent Measures (Weight/Mass)	The Numbers Games, Tiny's Think Tank, Levels M, N, and O	
						Measurement—Activity 2: Equivalent Measures (Length)		
11	Algebra: Patterns in Measurement Units	~	~			Measurement—Activity 2: Equivalent Measures (Length)		

Lesson Number		Interactive Student Edition	Math on the Spot Video	Animated Math Models		Teele		
	Lesson little			Activity Name	Skill Number	iTools	Mega Math	Vocabulary
1	Perimeter	V	v	Find Perimeter	54		Ice Station Exploration, Polar Planes, Level P	Formula, perimeter, centimeter, foot, inch, length, meter, width, yard
2	Area	v	v	Area of Plane Figures	55	Geometry—Activity 3: Area and Perimeter (Rectangle) Geometry—Activity 3: Area	Ice Station Exploration, Polar Planes, Level Q	Area, base, height, square unit
				Use a Formula to Find Area	56			
				Find Area	57	and Perimeter (Explore)		
3	Area of Combined Rectangles	V	v	Perimeter and Area of Complex Figures	58	Geometry—Activity 3: Area and Perimeter (Explore)	Ice Station Exploration, Polar Planes, Level R Shapes Ahoy, Ship Shapes, Level X	
4	Find Unknown Measures	V	v			Geometry—Activity 3: Area and Perimeter (Rectangle)		Kilometer, mile
5	Problem Solving • Find the Area	v	v					



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