Chapter 1 Whole Numbers

Lesson	Торіс	VA MSL
1-1 Long Division with Remainders	A) Long Division with and without Remainders	5.4
1-2 Long Division with Mixed Number Quotients	A) Long Division with Mixed Number Quotients	5.4
	A) Equivalent Divisions	
1-3 Horizontal Division	B) Dividing with Multiples of 10	5.4
	C) Horizontal Division	
1-4 Divisibility Tests	A) Divisibility Tests	5.3.b, 5.4
	A) Multiples	_
1 C Multiples and Fasters	B) Least Common Multiples	- 4.5.a
1-5 Multiples and Factors	C) Factors	
	D) Greatest Common Factors	
	A) Multiplication Symbols	
	B) Defining Powers	6.4
1-6 Exponents	C) Writing Expressions as Powers	
	D) Evaluating Powers	
	E) Missing Values in Power Equations	_
1-7 Order of Operations	A) Order of Operations	5.7
1.9 Drimo Costorization	A) Prime and Composite Numbers	6.4
1-8 Prime Factorization	B) Prime Factorization Using a Completed Factor Tree	
	A) Greatest Common Factors	4.5.a
1-9 GCF and LCM	B) Least Common Multiples	



Chapter 2 Fractions

Lesson	Торіс	VA MSL
	A) Fractions on Number Lines	
	B) Whole Numbers as Fractions	
2-1 Representing Fractions	C) Equivalent Fractions	6.2.a
Tractions	D) Simplifying Fractions	
	E) Mixed Numbers as Improper Fractions	_
2-2 Comparing Fractions	A) Comparing Fractions	5.2.b
2-3 Adding Fractions	A) Adding Fractions and Mixed Numbers	6.5.b
2-4 Subtracting Fractions	A) Subtracting Fractions and Mixed Numbers	6.5.b
	A) Comparing Fractional Products and Factors	
2-5 Multiplying Fractions	B) Multiplying Fractions	6.4, 6.5.a, 6.5.b
	C) Powers of Nonnegative Fractions	_
	A) Comparing Fractional Quotients and Dividends	
2-6 Dividing Fractions	B) Reciprocals	6.5.a, 6.5.b
	C) Dividing Fractions	



Chapter 3 Decimals

Lesson	Торіс	VA MSL
	A) Decimals on Number Lines	
3-1 Representing	B) Representing Repeating Decimals	4.3.a, 4.3.c
Decimals	C) Comparing Decimals	4.3.a, 4.3.c
	D) Ordering Decimals	
	A) Adding Decimals Vertically	
3-2 Adding Decimals	B) Adding Decimals Horizontally	6.5.c
	C) Rounding Decimals to Estimate Sums	
	A) Adding Decimals Vertically	
3-3 Subtracting Decimals	B) Adding Decimals Horizontally	6.5.c
	C) Rounding Decimals to Estimate Differences	
	A) Comparing Decimal Products and Factors	
2.4 Multiplying Decimals	B) Multiplying Decimals	6.4, 6.5.c
3-4 Multiplying Decimals	C) Powers of Nonnegative Decimals	0.4, 0.3.0
	D) Rounding Decimals to Estimate Products	
	A) Comparing Decimal Quotients and Dividends	
3-5 Dividing Decimals	B) Dividing Decimals Using Long Division	6.5.c
	C) Rounding Decimals to Estimate Quotients	
3-6 Order of Operations with Rational Numbers	A) Terminating Decimals as Fractions	
	B) Order of Operations with Nonnegative Rational Numbers	6.2.a, 6.5.b, 6.5.c



Chapter 4 Integers

Lesson	Торіс	VA MSL
	A) Classifying Numbers	
4-1 Number Sets and Algebra Tiles	B) Using Algebra Tiles to Model Integers	6.3.a
	C) Representing Situations as Integers	
	A) Integers on Number Lines	
4-2 Comparing and	B) Comparing Integers	622624
Ordering Integers	C) Distance on a Number Line	6.3.a, 6.3.b
	D) Ordering Integers	
4-3 Opposites and	A) Opposites	
Absolute Value	B) Absolute Values	- 6.3.b, 6.3.c
4-4 Integer Addition with	A) Opposites	
Tiles	B) Absolute Values	6.6.a, 6.6.b, 6.6.c
4-5 Integer Addition with	A) Using Number Lines to Model Addition of Integers with Different Signs	
Number Lines	B) Using Number Lines to Model Addition of Integers with the Same Sign	- 6.6.a, 6.6.b, 6.6.c
4-6 Single-Digit Integer Addition	A) Adding One-Digit Integers	6.6.a, 6.6.b, 6.6.c
	A) Using Algebra Tiles to Model Subtraction of Positive Integers	
4-7 Integer Subtraction with Tiles	B) Using Algebra Tiles to Model Subtraction of Integers with Different Signs	6.6.a, 6.6.b, 6.6.c
	C) Using Algebra Tiles to Model Subtraction of Negative Integers	-
4-8 Single-Digit Integer Subtraction	A) Subtracting One-Digit Integers	6.6.a, 6.6.b, 6.6.c



Lesson	Торіс	VA MSL
5-1 Understanding	A) Coefficients and Variables	
Variables and	B) Modeling Variable Expressions	5.19.a
Coefficients	C) Simplifying Variable Expressions	
	A) Parts of Variable Expressions	
	B) Modeling First Degree Monomials and Binomials	F 10 -
5-2 Variable Expressions	C) Combining Like Terms	5.19.a
	D) Evaluating Variable Expressions	
5-3 Writing Expressions	A) Writing Variable Expressions	5.19.c
	A) Commutative Property	
	B) Associative Property	
5-4 Properties of Operations	C) Using Algebra Tiles to Model Polynomial Multiplication	8.14.b
	D) Using the Properties to Multiply Terms	
	E) Identity Property	
5-5 Modeling the Distributive Property	A) Using Algebra Tiles to Model the Distributive Property	8.14.b
	A) Distributive Property	
5-6 Distributive Property	B) Rewrite Sums and Differences with the Distributive Property	8.14.b

Chapter 5 Introduction to Algebra



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Lesson	Торіс	VA MSL
	A) Identifying Expressions and Equations	
6-1 Equations	B) Writing Equations	6.13
	C) Solutions of Equations	-
6-2 Solving Addition Equations with Bar Models	A) Using Bar Models to Solve One-Step Addition Equations	6.13
6-3 Solving Multiplication Equations with Bar Models	A) Using Bar Models to Solve One-Step Multiplication Equations	6.13
6-4 Solving One-Step	A) Subtraction Property of Equality	6.13
Addition and Subtraction Equations	B) Addition Property of Equality	
6-5 Solving One-Step	A) Division Property of Equality	6.13
Multiplication and Division Equations	B) Multiplication Property of Equality	
6-6 Solutions of	A) Writing Inequalities from Verbal Expressions	6.4.4
Inequalities	B) Solutions of Inequalities	6.14.a
	A) Writing Inequalities from Number Lines	6.14 -
6-7 Graphing Inequalities	B) Graphing Inequalities on a Number Line	6.14.a
6-8 Solving One-Step Addition and Subtraction Inequalities	A) Subtraction Property of Inequality	C 4 4 1
	B) Addition Property of Inequality	6.14.b
6-9 Solving One-Step Multiplication and Division Inequalities	A) Division Property of Inequality	6.14.b
	B) Multiplication Property of Inequality	

Chapter 6 Equations and Inequalities



Lesson	Торіс	VA MSL
7-1 Writing Ratios	A) Writing Ratios in Different Forms	6.1
	A) Simplifying Ratios in Different Forms	<u> </u>
7-2 Simplifying Ratios	B) Equivalent Ratios	6.1
	A) Understanding Unit Rates	
7-3 Unit Rate	B) Finding Unit Rates	6.12.a, 6.12.b
	C) Using Unit Rate to Find a Value	
	A) Customary Length Conversion Factors	
	B) Customary Unit Conversions	
7-4 Conversions	C) Metric Conversion Factors	6.12.a
	D) Metric Unit Conversions	
	E) Unit Rates and Dimensional Analysis	
7-5 Percents and	A) Writing Percents as Fractions	6.2.5
Fractions	B) Writing Fractions as Percents	6.2.a
7-6 Percents and	A) Writing Percents as Decimals	6.2.5
Decimals	B) Writing Decimals as Percents	6.2.a
7-7 Percent Equations	A) Percent Equation	6.2.a

Chapter 7 Ratios, Rates, and Percents



Lesson	Торіс	VA MSL
	A) Identifying Quadrants and Axes of Coordinate Planes	6.8.a, 6.8.b
8-1 The Coordinate Plane	B) Graphing Points	
	C) Writing the Coordinates of Points	_
	D) Identifying Quadrants and Axes from Coordinates	
9 2 Distance on a	A) Counting to Find the Distance Between Points	
8-2 Distance on a Coordinate Plane	B) Using Absolute Value to Find the Distance Between Points	6.8.b
8-3 Reflections on a	A) Reflections Over the x-Axis	C Q h
Coordinate Plane	B) Reflections Over the y-Axis	6.8.b
8-4 Relations	A) Representing Relations in Different Forms	6.12.b, 6.12.d
	A) Input and Output	C 12 d
8-5 Input and Output	B) Independent and Dependent Variables	- 6.12.d
8-6 Two-Variable Equations	A) Evaluating Functions	
	B) Graphing Linear Functions	6.12.d
	C) Writing Linear Functions	

Chapter 8 Coordinate Plane and Two-Variable Equations



Chapter 9 Area and Volume

Lesson	Торіс	VA MSL
9-1 Area of Rectangles	A) Areas of Rectangles	67.
and Squares	B) Areas of Squares	6.7.c
9-2 Area of Parallelograms	A) Area of Parallelograms	6.7.c
0.2 Area of Triangles	A) Bases and Heights of Triangles	67.
9-3 Area of Triangles	B) Areas of Triangles	- 6.7.c
9-4 Area of Trapezoids	A) Areas of Trapezoids	6.7.c
9-5 Surface Area of	A) Nets of Solids	_
Prisms and Pyramids	B) Surface Areas of Prisms and Pyramids from Nets	7.4.a, 7.4.b
Using Nets	C) Surface Areas of Prisms	
9-6 Volume of Prisms and	A) Volume from Cubic Units	740746
Cubes	B) Volumes of Right Prisms	7.4.a, 7.4.b



Chapter 10 Displays of Data

Lesson	Торіс	VA MSL
	A) Statistical Questions	
10-1 Introduction to	B) Characteristics of Data Sets	
Statistics	C) Frequency Tables	– 5.16.a, 5.16.b
	D) Characteristics of Tables	
10-2 Dot Plots and Data	A) Characteristics of Dot Plots	- F 16 - F 16 h
10-2 DOT PIOTS and Data	B) Dot Plots, Data Sets, and Frequency Tables	5.16.a, 5.16.b
	A) Finding the Number of Observations within a Range of Numbers	
10-3 Reading Dot Plots	B) Finding the Minimum and Maximum Values	5.16.a, 5.16.b
	C) Finding the Mode	
	A) Characteristics of Histograms	
10-4 Histograms and Bins	B) Bins	7.9.a, 7.9.b
	C) Using a Frequency Table to Create a Histogram	
10-5 Histograms and Data Sets	A) Histograms, Data Sets, and Frequency Tables	
	B) Finding the Number of Observations within a Range of Numbers	7.9.a, 7.9.b
	C) Values in a Histogram	



Lesson	Торіс	VA MSL
11-1 Mean	A) Writing an Expression for the Mean	
	B) Calculating the Mean of Data Sets	6.11.a, 6.11.b
	C) How Adding of Removing Data Points Affects the Mean	- 0.11.0, 0.11.5
11-2 Median	A) Median	- C 11 h
11-2 Median	B) Mean and Median of the Same Data Set	6.11.b
11-3 Range and Mean	A) Range	- E 17 c E 17 d
Absolute Deviation	B) MAD	5.17.c, 5.17.d
11 Aleterevertile Dense	A) Quartiles	8.12.a, 8.12.b
11-4 Interquartile Range	B) IQR	
	A) Five-Number Summaries	
11-5 Reading Box Plots	B) Measures of Variation	8.12.a, 8.12.b
	C) Box Plots and Five-Number Summaries	
11 C Day Plate and Data	A) Box Plots, Five-Number Summaries, and Data Sets	8.12.a, 8.12.b
11-6 Box Plots and Data	B) Distribution of Data in a Dot Plot	
	A) Shapes of Histograms	
11-7 Shapes of Distributions	B) Shapes of Dot Plots	
	C) Shape and Measure of Center	8.12.a, 8.12.b
	D) Measure of Center and Measure of Variation	
	E) Outliers and Measures of Center	_

Chapter 11 Distributions of Data