Chapter 1 Whole Numbers

Lesson	Торіс	UT Standards
1-1 Long Division with Remainders	A) Long Division with and without Remainders	6.NS.1.b 6.NS.2
1-2 Long Division with Mixed Number Quotients	A) Long Division with Mixed Number Quotients	6.NS.1.b 6.NS.2
	A) Equivalent Divisions	
1-3 Horizontal Division	B) Dividing with Multiples of 10	6.NS.1.b 6.NS.2
	C) Horizontal Division	- 0.113.2
1-4 Divisibility Tests	A) Divisibility Tests	6.NS.1.b 6.NS.2
	A) Multiples	_
1 E Multiples and Fasters	B) Least Common Multiples	6.NS.2
1-5 Multiples and Factors	C) Factors	6.NS.4
	D) Greatest Common Factors	
	A) Multiplication Symbols	_
	B) Defining Powers	
1-6 Exponents	C) Writing Expressions as Powers	- 6.EE.1 - 6.EE.4
	D) Evaluating Powers	0.22.1
	E) Missing Values in Power Equations	
1-7 Order of Operations	A) Order of Operations	6.EE.1
1-8 Prime Factorization	A) Prime and Composite Numbers	6.EE.1
	B) Prime Factorization Using a Completed Factor Tree	0.22.1
1-9 GCF and LCM	A) Greatest Common Factors	6.NS.4
1-9 GCF and LCIVI	B) Least Common Multiples	0.113.4



Chapter 2 Fractions

Lesson	Торіс	UT Standards
	A) Fractions on Number Lines	
	B) Whole Numbers as Fractions	
2-1 Representing Fractions	C) Equivalent Fractions	6.NS.6.c
Tractions	D) Simplifying Fractions	
	E) Mixed Numbers as Improper Fractions	
2-2 Comparing Fractions	A) Comparing Fractions	6.NS.6.c
2-3 Adding Fractions	A) Adding Fractions and Mixed Numbers	5.NF.1
2-4 Subtracting Fractions	A) Subtracting Fractions and Mixed Numbers	5.NF.1
	A) Comparing Fractional Products and Factors	
2-5 Multiplying Fractions	B) Multiplying Fractions	6.EE.1
	C) Powers of Nonnegative Fractions	
2-6 Dividing Fractions	A) Comparing Fractional Quotients and Dividends	6.NS.1.a
	B) Reciprocals	6.NS.1.b
	C) Dividing Fractions	6.NS.1.c

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Chapter 3 Decimals

Lesson	Торіс	UT Standards
	A) Decimals on Number Lines	
3-1 Representing	B) Representing Repeating Decimals	
Decimals	C) Comparing Decimals	— 6.NS.6.c
	D) Ordering Decimals	
	A) Adding Decimals Vertically	
3-2 Adding Decimals	B) Adding Decimals Horizontally	5.NBT.7
	C) Rounding Decimals to Estimate Sums	
	A) Adding Decimals Vertically	
3-3 Subtracting Decimals	B) Adding Decimals Horizontally	5.NBT.7
	C) Rounding Decimals to Estimate Differences	
	A) Comparing Decimal Products and Factors	
2.4 Multiplying Desimals	B) Multiplying Decimals	6.EE.1
3-4 Multiplying Decimals	C) Powers of Nonnegative Decimals	0.22.1
	D) Rounding Decimals to Estimate Products	
	A) Comparing Decimal Quotients and Dividends	
3-5 Dividing Decimals	B) Dividing Decimals Using Long Division	6.NS.3.a 6.NS.3.b
	C) Rounding Decimals to Estimate Quotients	
	A) Terminating Decimals as Fractions	6.NS.3.a
3-6 Order of Operations with Rational Numbers	B) Order of Operations with Nonnegative Rational Numbers	6.NS.3.b 6.EE.1

Chapter 4 Integers

Lesson	Торіс	UT Standards
	A) Classifying Numbers	
4-1 Number Sets and Algebra Tiles	B) Using Algebra Tiles to Model Integers	6.NS.5
Algebra files	C) Representing Situations as Integers	
	A) Integers on Number Lines	
4-2 Comparing and	B) Comparing Integers	6.NS.5
Ordering Integers	C) Distance on a Number Line	6.NS.6.c
	D) Ordering Integers	
		6.NS.5
	A) Opposites	6.NS.6.a
4-3 Opposites and		6.NS.7.a
Absolute Value		6.NS.7.b
	B) Absolute Values	6.NS.7.c
		6.NS.7.d
4-4 Integer Addition with	A) Opposites	7.NS.1.b
Tiles	B) Absolute Values	7.103.1.0
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	- 7.NS.1.b
4-6 Single-Digit Integer Addition	A) Adding One-Digit Integers	7.NS.1.b
	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	7.NS.1.c
	C) Using Algebra Tiles to Model Subtraction of Negative Integers	
4-8 Single-Digit Integer Subtraction	A) Subtracting One-Digit Integers	7.NS.1.c

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Lesson	Торіс	UT Standards
5-1 Understanding	A) Coefficients and Variables	
Variables and	B) Modeling Variable Expressions	6.EE.2.b 6.EE.6
Coefficients	C) Simplifying Variable Expressions	0.22.0
	A) Parts of Variable Expressions	6.EE.2.a 6.EE.2.b
E 2 Variable Expressions	B) Modeling First Degree Monomials and Binomials	6.EE.2.c
5-2 Variable Expressions	C) Combining Like Terms	6.EE.3 6.EE.4
	D) Evaluating Variable Expressions	6.EE.6
5-3 Writing Expressions	A) Writing Variable Expressions	6.EE.2.a 6.EE.2.b 6.EE.6
	A) Commutative Property	
	B) Associative Property	
5-4 Properties of Operations	C) Using Algebra Tiles to Model Polynomial Multiplication	6.EE.3 6.EE.4 6.EE.6
	D) Using the Properties to Multiply Terms	- 0.22.0
	E) Identity Property	_
5-5 Modeling the Distributive Property	A) Using Algebra Tiles to Model the Distributive Property	6.EE.3 6.EE.6
	A) Distributive Property	6.NS.4
5-6 Distributive Property	B) Rewrite Sums and Differences with the Distributive Property	6.EE.3 6.EE.4 6.EE.6

Chapter 5 Introduction to Algebra

Chapter 6	Equations and	Inequalities
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Lesson	Торіс	UT Standards
	A) Identifying Expressions and Equations	
6-1 Equations	B) Writing Equations	6.EE.5 6.EE.7
	C) Solutions of Equations	- 0.LL.7
6-2 Solving Addition Equations with Bar Models	A) Using Bar Models to Solve One-Step Addition Equations	6.EE.7
6-3 Solving Multiplication Equations with Bar Models	A) Using Bar Models to Solve One-Step Multiplication Equations	6.EE.7
6-4 Solving One-Step	A) Subtraction Property of Equality	
Addition and Subtraction Equations	B) Addition Property of Equality	6.EE.7
6-5 Solving One-Step Multiplication and	A) Division Property of Equality	
Division Equations	B) Multiplication Property of Equality	6.EE.7
6-6 Solutions of	A) Writing Inequalities from Verbal Expressions	6.EE.5
Inequalities	B) Solutions of Inequalities	6.EE.8
C. 7. Crophing In accuplition	A) Writing Inequalities from Number Lines	6.EE.5
6-7 Graphing Inequalities	B) Graphing Inequalities on a Number Line	6.EE.8
6-8 Solving One-Step	A) Subtraction Property of Inequality	6.EE.5
Addition and Subtraction Inequalities	B) Addition Property of Inequality	0.62.3
6-9 Solving One-Step Multiplication and	A) Division Property of Inequality	6.EE.5
Division Inequalities	B) Multiplication Property of Inequality	U.EE.J

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Lesson	Торіс	UT Standards
7-1 Writing Ratios	A) Writing Ratios in Different Forms	6.RP.1
7.2 Cimplifying Dation	A) Simplifying Ratios in Different Forms	C DD 1
7-2 Simplifying Ratios	B) Equivalent Ratios	6.RP.1
	A) Understanding Unit Rates	6.RP.1
7-3 Unit Rate	B) Finding Unit Rates	6.RP.2
	C) Using Unit Rate to Find a Value	6.RP.3.b
	A) Customary Length Conversion Factors	
	B) Customary Unit Conversions	6.RP.1
7-4 Conversions	C) Metric Conversion Factors	6.RP.3.b
	D) Metric Unit Conversions	6.RP.3.d
	E) Unit Rates and Dimensional Analysis	
7-5 Percents and	A) Writing Percents as Fractions	
Fractions	B) Writing Fractions as Percents	6.RP.3.c
7-6 Percents and Decimals	A) Writing Percents as Decimals	C DD 2 .
	B) Writing Decimals as Percents	6.RP.3.c
7-7 Percent Equations	A) Percent Equations	6.RP.3.c

Chapter 7 Ratios, Rates, and Percents

Lesson	Торіс	UT Standards
	A) Identifying Quadrants and Axes of Coordinate Planes	- 6.NS.6.b
8-1 The Coordinate Plane	B) Graphing Points	6.NS.6.c
	C) Writing the Coordinates of Points	6.NS.8
	D) Identifying Quadrants and Axes from Coordinates	_
	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.NS.8 6.G.3
8-3 Reflections on a	A) Reflections Over the x-Axis	6.NS.6.b 6.G.3
Coordinate Plane	B) Reflections Over the y-Axis	
8-4 Relations	A) Representing Relations in Different Forms	6.RP.3.a 6.RP.3.b 6.EE.9
	A) Input and Output	6 55 0
8-5 Input and Output	B) Independent and Dependent Variables	6.EE.9
8-6 Two-Variable Equations	A) Evaluating Functions	6.RP.3.a
	B) Graphing Linear Functions	6.RP.3.b
	C) Writing Linear Functions	6.EE.9

Chapter 8 Coordinate Plane and Two-Variable Equations

Chapter 9 Area and Volume

Lesson	Торіс	UT Standards
9-1 Area of Rectangles	A) Areas of Rectangles	6.G.1
and Squares	B) Areas of Squares	6.G.3
9-2 Area of Parallelograms	A) Area of Parallelograms	6.G.1 6.G.3
	A) Bases and Heights of Triangles	6.6.1
9-3 Area of Triangles	B) Areas of Triangles	- 6.G.1
9-4 Area of Trapezoids	A) Areas of Trapezoids	6.G.1
9-5 Surface Area of	A) Nets of Solids	
Prisms and Pyramids	B) Surface Areas of Prisms and Pyramids from Nets	6.G.4
Using Nets	C) Surface Areas of Prisms	_
9-6 Volume of Prisms and Cubes	A) Volume from Cubic Units	6.6.2
	B) Volumes of Right Prisms	- 6.G.2

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Chapter 10 Displays of Data

Lesson	Торіс	UT Standards
	A) Statistical Questions	
10-1 Introduction to	B) Characteristics of Data Sets	6.SP.1 — 6.SP.5.a
Statistics	C) Frequency Tables	6.SP.5.b
	D) Characteristics of Tables	
	A) Characteristics of Dot Plots	6.SP.4
10-2 Dot Plots and Data	B) Dot Plots, Data Sets, and Frequency Tables	6.SP.5.a 6.SP.5.b
10-3 Reading Dot Plots	A) Finding the Number of Observations within a Range of Numbers	
	B) Finding the Minimum and Maximum Values	6.SP.4
	C) Finding the Mode	
	A) Characteristics of Histograms	6.SP.4
10-4 Histograms and Bins	B) Bins	6.SP.5.a
	C) Using a Frequency Table to Create a Histogram	6.SP.5.b
	A) Histograms, Data Sets, and Frequency Tables	
10-5 Histograms and Data Sets	B) Finding the Number of Observations within a Range of Numbers	6.SP.4
	C) Values in a Histogram	

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Lesson	Торіс	UT Standards
	A) Writing an Expression for the Mean	
11-1 Mean	B) Calculating the Mean of Data Sets	6.SP.2 6.SP.3
	C) How Adding of Removing Data Points Affects the Mean	6.SP.5.c
11-2 Median	A) Median	6.SP.2 6.SP.3
	B) Mean and Median of the Same Data Set	6.SP.5.c
11-3 Range and Mean	A) Range	6.SP.2
Absolute Deviation	B) MAD	6.SP.3 6.SP.5.c
	A) Quartiles	6.SP.2
11-4 Interquartile Range	B) IQR	6.SP.3 6.SP.5.c
	A) Five-Number Summaries	
11-5 Reading Box Plots	B) Measures of Variation	[—] 6.SP.3 — 6.SP.4
	C) Box Plots and Five-Number Summaries	- 0.51.4
11 C Day Plate and Data	A) Box Plots, Five-Number Summaries, and Data Sets	
11-6 Box Plots and Data	B) Distribution of Data in a Dot Plot	6.SP.4
	A) Shapes of Histograms	
	B) Shapes of Dot Plots	6.SP.2
11-7 Shapes of Distributions	C) Shape and Measure of Center	6.SP.3 6.SP.5.c
	D) Measure of Center and Measure of Variation	6.SP.5.d
	E) Outliers and Measures of Center	_

Chapter 11 Distributions of Data