

Table of Contents

Introduction	i-iv
What is <i>Engaging Mathematics, Volume I: Grade 5</i> ?	iii
What is found in an Engaging Mathematics TEKS-based activity?	iv
Number and operations	2-89
Comparing and Ordering Decimals, Activity 1 5(2)(B)	2
Comparing and Ordering Decimals, Activity 2 5(2)(B)	6
Comparing and Ordering Decimals, Activity 3 5(2)(B)	8
Estimating Solutions, Activity 1 5(3)(A)	12
Estimating Solutions, Activity 2 5(3)(A)	14
Estimating Solutions, Activity 3 5(3)(A)	18
Multiplying Whole Numbers 5(3)(B)	20
Dividing Whole Numbers 5(3)(C).....	22
Modeling Decimal Multiplication, Activity 1 5(3)(D)	24
Modeling Decimal Multiplication, Activity 2 5(3)(D)	26
Multiplying Decimals, Activity 1 5(3)(E)	28
Multiplying Decimals, Activity 2 5(3)(E)	30
Multiplying Decimals, Activity 3 5(3)(E)	34
Modeling Decimal Division 5(3)(F)	36
Dividing Decimals 5(3)(G)	38
Modeling Addition and Subtraction of Fractions, Activity 1 5(3)(H).....	40
Modeling Addition and Subtraction of Fractions, Activity 2 5(3)(H).....	42
Modeling Addition and Subtraction of Fractions, Activity 3 5(3)(H).....	44
Modeling Addition and Subtraction of Fractions, Activity 4 5(3)(H).....	46
Modeling Addition and Subtraction of Fractions, Activity 5 5(3)(H).....	48
Modeling Addition and Subtraction of Fractions, Activity 6 5(3)(H).....	50
Multiplying a Whole Number and a Fraction, Activity 1 5(3)(I)	54
Multiplying a Whole Number and a Fraction, Activity 2 5(3)(I)	56
Multiplying a Whole Number and a Fraction, Activity 3 5(3)(I)	58
Multiplying a Whole Number and a Fraction, Activity 4 5(3)(I)	60
Modeling Fraction Division, Activity 1 5(3)(J)	62
Modeling Fraction Division, Activity 2 5(3)(J)	64
Adding and Subtracting Rational Numbers, Activity 1 5(3)(K)	66
Adding and Subtracting Rational Numbers, Activity 2 5(3)(K)	68
Adding and Subtracting Rational Numbers, Activity 3 5(3)(K)	70
Adding and Subtracting Rational Numbers, Activity 4 5(3)(K)	72
Adding and Subtracting Rational Numbers, Activity 5 5(3)(K)	74
Adding and Subtracting Rational Numbers, Activity 6 5(3)(K)	76
Adding and Subtracting Rational Numbers, Activity 7 5(3)(K)	78
Adding and Subtracting Rational Numbers, Activity 8 5(3)(K)	80
Adding and Subtracting Rational Numbers, Activity 9 5(3)(K)	82
Dividing Unit Fractions and Whole Numbers, Activity 1 5(3)(L).....	86
Dividing Unit Fractions and Whole Numbers, Activity 2 5(3)(L).....	88

Algebraic reasoning	90–148
Identifying Prime and Composite Numbers, Activity 1 5(4)(A).....	90
Identifying Prime and Composite Numbers, Activity 2 5(4)(A).....	94
Identifying Prime and Composite Numbers, Activity 3 5(4)(A).....	98
Representing and Solving Multi-Step Problems, Activity 1 5(4)(B)	100
Representing and Solving Multi-Step Problems, Activity 2 5(4)(B)	102
Representing and Solving Multi-Step Problems, Activity 3 5(4)(B)	106
Representing and Solving Multi-Step Problems, Activity 4 5(4)(B)	110
Generating Numerical Patterns, Activity 1 5(4)(C)	114
Generating Numerical Patterns, Activity 2 5(4)(C)	116
Describing Additive and Multiplicative Patterns 5(4)(D)	120
Simplifying Numerical Expressions, Activity 1 5(4)(F)	124
Simplifying Numerical Expressions, Activity 2 5(4)(F)	126
Simplifying Numerical Expressions, Activity 3 5(4)(F)	128
Developing Volume Formulas 5(4)(G)	130
Determining Volume 5(4)(H)	132
Representing Perimeter, Area, and Volume 5(4)(H)	134
Determining Perimeter, Activity 1 5(4)(H)	138
Determining Perimeter, Activity 2 5(4)(H)	140
Determining Perimeter and Area 5(4)(H).....	144
Determining Perimeter, Area, and Volume 5(4)(H)	146
Geometry and measurement	150–193
Classifying Triangles, Activity 1 5(5)(A)	150
Classifying Triangles, Activity 2 5(5)(A)	154
Classifying Quadrilaterals, Activity 1 5(5)(A).....	158
Classifying Quadrilaterals, Activity 2 5(5)(A).....	160
Developing Understanding of Volume, Activity 1 5(6)(A)	164
Developing Understanding of Volume, Activity 2 5(6)(B)	168
Calculating Measurement Conversions, Activity 1 5(7)(A)	172
Calculating Measurement Conversions, Activity 2 5(7)(A)	174
Calculating Measurement Conversions, Activity 3 5(7)(A)	176
Calculating Measurement Conversions, Activity 4 5(7)(A)	178
Calculating Measurement Conversions, Activity 5 5(7)(A)	180
Graphing Ordered Pairs, Activity 1 5(8)(C)	182
Graphing Ordered Pairs, Activity 2 5(8)(C)	184
Graphing Ordered Pairs, Activity 3 5(8)(C)	186
Graphing Ordered Pairs, Activity 4 5(8)(C)	188
Graphing Ordered Pairs, Activity 5 5(8)(C)	190
Data analysis.....	194–197
Representing Data, Activity 1 5(9)(A)	194
Representing Data, Activity 2 5(9)(C)	196