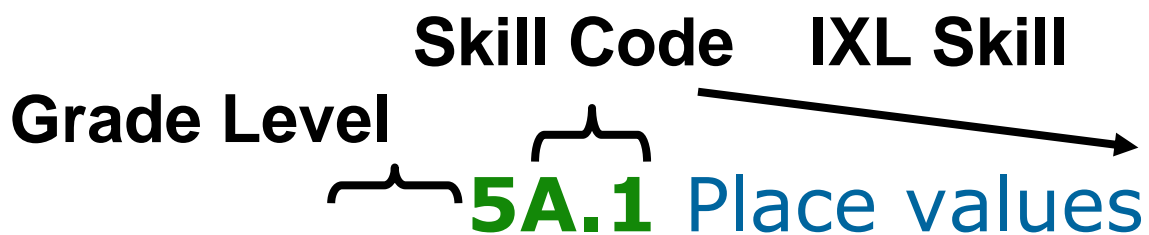


Grade 5

EnVision® Math Lessons Aligned to IXL Skills



Grade 5 EnVision® Math Lessons Aligned to IXL

Topic 1: Place Value	
Topic - Lesson	IXL Skill Alignment
1-1 Place Value	<p>IXL Skill:</p> <ul style="list-style-type: none"> 4A.1 Place values 4A.2 Convert between place values 5A.1 Place values 5A.2 Convert between place values 5A.4 Word names for numbers 5C.3 Place values in decimal numbers 6A.1 Place values in whole numbers 6A.2 Word names for numbers
1-2 Tenths and Hundredths	<p>IXL Skill:</p> <ul style="list-style-type: none"> 4T.6 Convert fractions and mixed numbers to decimals 4T.7 Convert decimals to fractions and mixed numbers 4T.8 Compare decimals and fractions 5A.1 Place values 5A.2 Convert between place values 5C.1 What decimal number is illustrated? 5C.2 Understanding decimals expressed in words 5C.3 Place values in decimal numbers 5C.9 Convert fractions to decimals 5C.10 Convert decimals to fractions 6B.1 What decimal number is illustrated? 6B.2 Decimal place values 6B.3 Word names for decimal numbers 6B.4 Convert decimals to mixed numbers 6T.9 Convert between decimals and fractions or mixed numbers
1-3 Thousandths	<p>IXL Skill:</p> <ul style="list-style-type: none"> 4T.6 Convert fractions and mixed numbers to decimals

	<p>4T.7 Convert decimals to fractions and mixed numbers</p> <p>5A.1 Place values 5A.2 Convert between place values 5C.1 What decimal number is illustrated? 5C.2 Understanding decimals expressed in words 5C.3 Place values in decimal numbers 5C.9 Convert fractions to decimals 5C.10 Convert decimals to fractions</p> <p>6B.4 Convert decimals to mixed numbers 6T.9 Convert between decimals and fractions or mixed numbers</p>
<p>1-4 Decimal Place Value</p>	<p>IXL Skill:</p> <p>4T.2 Understanding decimals expressed in words 4T.3 Place values in decimal numbers 4T.4 Equivalent decimals</p> <p>5C.1 What decimal number is illustrated? 5C.2 Understanding decimals expressed in words 5C.3 Place values in decimal numbers 5C.4 Equivalent decimals 5C.5 Round decimals</p> <p>6B.1 What decimal number is illustrated? 6B.2 Decimal place values 6B.3 Word names for decimal numbers</p>
<p>1-5 Comparing and Ordering Decimals</p>	<p>IXL Skill:</p> <p>4T.10 Compare decimal numbers 4T.11 Put decimal numbers in order</p> <p>5C.4 Equivalent decimals 5C.6 Decimal number lines 5C.7 Compare decimal numbers 5C.8 Put decimal numbers in order 5G.10 Inequalities with decimal multiplication</p> <p>6B.5 Put decimal numbers in order 6B.6 Inequalities with decimals</p>

1-6 Problem-Solving: Look for a Pattern

Topic 2: Adding and Subtracting Decimals

Topic - Lesson	IXL Skill Alignment
2-1 Mental Math	<p>IXL Skill:</p> <ul style="list-style-type: none">5D.4 Add and subtract money: word problems5E.1 Add and subtract decimal numbers5E.2 Add and subtract decimals: word problems5E.3 Choose decimals with a particular sum or difference5E.4 Complete the addition or subtraction sentence5E.5 Inequalities with decimal addition and subtraction5E.6 Estimate sums and differences of decimals
2-2 Rounding Whole Numbers and Decimals	<p>IXL Skill:</p> <ul style="list-style-type: none">4A.6 Rounding4T.9 Round decimals5C.5 Round decimals5A.6 Rounding6B.7 Round decimals6B.8 Round whole numbers and decimals: find the missing digit
2-3 Estimating Sums and Differences	<p>IXL Skill:</p> <ul style="list-style-type: none">4U.9 Estimate sums and differences of decimals5D.10 Estimate sums and differences of whole numbers5D.11 Estimate sums and differences: word problems5E.3 Choose decimals with a particular sum or difference5E.6 Estimate sums and differences of decimals6J.3 Estimate sums and differences of decimals

<p>2-4 Modeling Addition and Subtraction of Decimals</p>	<p>IXL Skill:</p> <ul style="list-style-type: none"> 5E.1 Add and subtract decimal numbers 5E.2 Add and subtract decimals: word problems 5E.3 Choose decimals with a particular sum or difference 5E.4 Complete the addition or subtraction sentence
<p>2-5 Problem Solving: Draw a Picture and Write an Equation</p>	
<p>2-6 Adding Decimals</p>	<p>IXL Skill:</p> <ul style="list-style-type: none"> 4U.1 Add decimal numbers 4U.5 Add 3 or more decimals 4U.6 Add 3 or more decimals: word problems 5E.1 Add and subtract decimal numbers 5E.2 Add and subtract decimals: word problems 5E.3 Choose decimals with a particular sum or difference 5E.4 Complete the addition or subtraction sentence 5E.5 Inequalities with decimal addition and subtraction 5E.6 Estimate sums and differences of decimals 6J.1 Add and subtract decimal numbers 6J.2 Add and subtract decimals: word problems
<p>2-7 Subtracting Decimals</p>	<p>IXL Skill:</p> <ul style="list-style-type: none"> 4U.2 Subtract decimal numbers 4U.3 Add and subtract decimals: word problems 5E.1 Add and subtract decimal numbers 5E.2 Add and subtract decimals: word problems 5E.3 Choose decimals with a particular sum or difference 5E.4 Complete the addition or subtraction sentence 5E.5 Inequalities with decimal addition and subtraction 5E.6 Estimate sums and differences of decimals 6J.1 Add and subtract decimal numbers 6J.2 Add and subtract decimals: word problems

<p>2-8 Problem Solving: Multiple-Step Problems</p>	<p>IXL Skill:</p> <p>4F.4 Multi-step word problems</p> <p>5J.1 Multi-step word problems</p> <p>6M.2 Word problems with multiple steps or extra or missing information</p>
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Topic 3: Multiplying Whole Numbers

Topic - Lesson	IXL Skill Alignment
<p>3-1 Multiplication Properties</p>	<p>IXL Skill:</p> <p>4D.5 Properties of multiplication</p> <p>5F.6 Properties of multiplication</p> <p>6K.9 Properties of multiplication</p>
<p>3-2 Using Mental Math to Multiply</p>	<p>IXL Skill:</p> <p>4D.4 Multiplication patterns over increasing place values</p> <p>4D.15 Multiply numbers ending in zeroes</p> <p>4D.16 Multiply numbers ending in zeroes: word problems</p> <p>5F.3 Multiplication patterns over increasing place values</p> <p>5F.4 Multiply numbers ending in zeroes</p> <p>5F.5 Multiply numbers ending in zeroes: word problems</p>
<p>3-3 Estimating Products</p>	<p>IXL Skill:</p> <p>4D.6 Estimate products</p> <p>4D.7 Estimate products: word problems</p> <p>5F.8 Estimate products</p>

	<p>5F.9 Estimate products: word problems</p> <p>6K.8 Estimate products</p>
3-4 Exponents	<p>IXL Skill:</p> <p>5Q.12 Write multiplication expressions using exponents</p> <p>5Q.13 Evaluate exponent expressions</p> <p>6E.1 Write multiplication expressions using exponents</p> <p>6E.2 Evaluate exponents</p> <p>6E.3 Exponents: solve for the variable</p>
3-5 Distributive Property	<p>IXL Skill:</p> <p>4D.5 Properties of multiplication</p> <p>5F.6 Properties of multiplication</p> <p>6K.9 Properties of multiplication</p>
3-6 Multiplying by 1-Digit Numbers	<p>IXL Skill:</p> <p>4D.3 Multiply 1-digit numbers by larger numbers</p> <p>5F.1 Multiply by 1-digit numbers</p> <p>5F.2 Multiply by 1-digit numbers: word problems</p> <p>6K.1 Multiply whole numbers</p> <p>6K.2 Multiply whole numbers: word problems</p>
3-7 Multiplying 2-Digit by 2-Digit Numbers	<p>IXL Skill:</p> <p>4D.8 Multiply a 2-digit number by a 2-digit number: complete the missing steps</p> <p>4D.9 Multiply a 2-digit number by a 2-digit number</p> <p>4D.10 Multiply a 2-digit number by a 2-digit number: word problems</p> <p>4D.12 Multiply a 2-digit number by a larger number: complete the missing steps</p> <p>4D.13 Multiply a 2-digit number by a larger number</p> <p>4D.14 Multiply a 2-digit number by a larger</p>

	<p>number: word problems</p> <p>5F.10 Multiply by 2-digit numbers: complete the missing steps</p> <p>5F.11 Multiply a 2-digit number by a 2-digit number</p> <p>5F.12 Multiply a 2-digit number by a larger number</p> <p>5F.13 Multiply by 2-digit numbers: word problems</p>
3-8 Multiplying Greater Numbers	<p>IXL Skill:</p> <p>5F.14 Multiply three or more numbers up to 2 digits each</p> <p>5F.15 Multiply by 3-digit numbers</p> <p>5F.16 Multiply three numbers up to 3 digits each</p> <p>5F.17 Multiply three or more numbers: word problems</p> <p>6K.1 Multiply whole numbers</p> <p>6K.2 Multiply whole numbers: word problems</p> <p>6K.3 Multiply whole numbers with four or more digits</p> <p>6K.4 Multiply numbers ending in zeroes</p> <p>6K.5 Multiply numbers ending in zeroes: word problems</p>
3-9 Problem-Solving: Draw a Picture and Write an Equation	

Topic 4: Dividing by 1-Digit Divisors

Topic - Lesson	IXL Skill Alignment
4-1 Dividing Multiples of 10 and 100	<p>IXL Skill:</p> <p>4E.9 Divide numbers ending in zeroes, one-digit divisors</p> <p>4E.12 Division patterns over increasing place values</p> <p>4E.13 Divide numbers ending in zeroes, multi-digit divisors</p> <p>4E.14 Divide numbers ending in zeroes, multi-digit divisors: word problems</p>

	<p>5H.7 Division patterns over increasing place values 5H.8 Divide numbers ending in zeroes 5H.9 Divide numbers ending in zeroes: word problems</p> <p>6L.2 Division patterns with zeroes 6L.3 Divide numbers ending in zeroes: word problems</p>
4-2 Estimating Quotients	<p>IXL Skill:</p> <p>4E.10 Estimate quotients, one-digit divisors</p> <p>5H.6 Estimate quotients: word problems 5H.13 Estimate quotients</p> <p>6L.4 Estimate quotients</p>
4-3 Problem-Solving: Reasonableness	<p>IXL Skill:</p> <p>6M.5 Use logical reasoning to find the order</p>
4-4 Connecting Models and Symbols	<p>IXL Skill:</p> <p>5H.1 Division facts to 12 5H.2 Division facts to 12: word problems 5H.3 Divide multi-digit numbers by 1-digit numbers 5H.4 Divide multi-digit numbers by 1-digit numbers: word problems</p>
4-5 Dividing by 1-Digit Divisors	<p>IXL Skill:</p> <p>4E.4 Divide larger numbers, one-digit divisors 4E.5 Divide larger numbers, one-digit divisors: word problems 4E.6 Divide by 1-digit numbers: complete the table 4E.7 Divide by 1-digit numbers: interpret remainders</p> <p>5H.1 Division facts to 12 5H.2 Division facts to 12: word problems 5H.3 Divide multi-digit numbers by 1-digit numbers 5H.4 Divide multi-digit numbers by 1-digit numbers: word problems</p>

	5H.5 Divide by 1-digit numbers: interpret remainders
4-6 Zeros in the Quotient	
4-7 Problem-Solving: Draw a Picture and Write an Equation	IXL Skill: 5Q.2 Write variable expressions 5Q.3 Evaluate variable expressions 5Q.4 Write equations to represent word problems

Topic 5: Dividing by 2-Digit Divisors

Topic - Lesson	IXL Skill Alignment
5-1 Using Patterns to Divide	IXL Skill: 4E.13 Divide numbers ending in zeroes, multi-digit divisors 4E.14 Divide numbers ending in zeroes, multi-digit divisors: word problems 5H.7 Division patterns over increasing place values 5H.8 Divide numbers ending in zeroes 5H.9 Divide numbers ending in zeroes: word problems
5-2 Estimating Quotients with 2-Digit Divisors	IXL Skill: 5H.6 Estimate quotients: word problems 5H.13 Estimate quotients 6L.5 Divide whole numbers - 2-digit divisors
5-3 Connecting Models and Symbols	IXL Skill: 5H.10 Divide by 2-digit numbers 5H.11 Divide by 2-digit numbers: word problems
5-4 Dividing by Multiples of 10	IXL Skill: 4E.15 Divide 2-digit numbers by multiples of 10

	<p>5H.7 Division patterns over increasing place values 5H.8 Divide numbers ending in zeroes 5H.9 Divide numbers ending in zeroes: word problems</p>
5-5 1-Digit Quotients	<p>IXL Skill:</p> <p>5H.1 Division facts to 12 5H.2 Division facts to 12: word problems 5H.3 Divide multi-digit numbers by 1-digit numbers 5H.4 Divide multi-digit numbers by 1-digit numbers: word problems 5H.10 Divide by 2-digit numbers 5H.11 Divide by 2-digit numbers: word problems</p> <p>6L.5 Divide whole numbers - 2-digit divisors</p>
5-6 2-Digit Quotients	<p>IXL Skill:</p> <p>4E.16 Divide by 2-digit numbers 4E.17 Divide by 2-digit numbers: word problems 4E.18 Divide larger numbers by 2-digit numbers 4E.19 Divide larger numbers by 2-digit numbers: word problems</p> <p>5H.1 Division facts to 12 5H.2 Division facts to 12: word problems 5H.3 Divide multi-digit numbers by 1-digit numbers 5H.4 Divide multi-digit numbers by 1-digit numbers: word problems 5H.10 Divide by 2-digit numbers 5H.11 Divide by 2-digit numbers: word problems 6L.5 Divide whole numbers - 2-digit divisors</p>
5-7 Estimating and Dividing with Greater Numbers	<p>IXL Skill:</p> <p>5P.1 Add, subtract, multiply, and divide whole numbers 5P.2 Add, subtract, multiply, and divide whole numbers: word problems</p>
5-8 Problem-Solving: Missing or Extra Information	<p>IXL Skill:</p> <p>4F.5 Word problems with extra or missing information</p>

5J.2 Word problems with extra or missing information

6M.2 Word problems with multiple steps or extra or missing information

Topic 6: Multiplying Decimals

Topic - Lesson	IXL Skill Alignment
6-1 Multiplying Decimals by 10, 100, 1,000	IXL Skill: 5G.2 Multiply a decimal by a power of ten 60.6 Multiply and divide decimals by powers of ten
6-2 Estimating the Product of a Decimal and a Whole Number	IXL Skill: 5G.1 Estimate products of decimals 60.2 Estimate products of decimal numbers
6-3 Number Sense: Decimal Multiplication	IXL Skill: 5G.3 Multiply a decimal by a one-digit whole number 5G.4 Multiply a decimal by a multi-digit whole number 5G.5 Multiply decimals and whole numbers: word problems 5G.6 Multiply money amounts: word problems 60.1 Multiply decimals
6-4 Models for Multiplying Decimals	IXL Skill: 5G.3 Multiply a decimal by a one-digit whole number 5G.4 Multiply a decimal by a multi-digit whole number 5G.5 Multiply decimals and whole numbers: word problems 5G.6 Multiply money amounts: word problems 5G.8 Multiply two decimals using grids
6-5 Multiplying a Decimal by a Whole Number	IXL Skill: 5G.2 Multiply a decimal by a power of ten 5G.3 Multiply a decimal by a one-digit whole number

	<p>5G.4 Multiply a decimal by a multi-digit whole number</p> <p>5G.5 Multiply decimals and whole numbers: word problems</p> <p>5G.6 Multiply money amounts: word problems</p> <p>6O.1 Multiply decimals</p>
6-6 Multiplying Two Decimals	<p>IXL Skill:</p> <p>5G.8 Multiply two decimals using grids</p> <p>5G.9 Multiply two decimals</p> <p>6O.1 Multiply decimals</p> <p>6X.4 Add, subtract, multiply, and divide decimals</p> <p>6X.5 Add, subtract, multiply, and divide decimals: word problems</p>
6-7 Problem-Solving: Multiple-Step Problems	<p>IXL Skill:</p> <p>4F.4 Multi-step word problems</p> <p>5J.1 Multi-step word problems</p> <p>6M.2 Word problems with multiple steps or extra or missing information</p>

Topic 7: Dividing Decimals

Topic - Lesson	IXL Skill Alignment
7-1 Dividing Decimals by 10, 100, 1,000	<p>IXL Skill:</p> <p>5I.1 Divide by powers of ten</p> <p>5I.2 Decimal division patterns over increasing place values</p> <p>6O.6 Multiply and divide decimals by powers of ten</p>
7-2 Estimating Decimal Quotients	

<p>7-3 Number Sense: Decimal Division</p>	<p>IXL Skill:</p> <p>5I.3 Division with decimal quotients 5I.4 Division with decimal quotients and rounding 5I.5 Division with decimal quotients: word problems 5P.3 Add, subtract, multiply, and divide decimals 5P.4 Add, subtract, multiply, and divide decimals: word problems</p>
<p>7-4 Dividing by a Whole Number</p>	<p>IXL Skill:</p> <p>5I.3 Division with decimal quotients 5I.4 Division with decimal quotients and rounding 5I.5 Division with decimal quotients: word problems 5P.3 Add, subtract, multiply, and divide decimals 5P.4 Add, subtract, multiply, and divide decimals: word problems</p> <p>60.4 Divide decimals by whole numbers 60.5 Divide decimals by whole numbers: word problems 60.7 Division with decimal quotients</p>
<p>7-5 Dividing a Whole Number by a Decimal</p>	<p>IXL Skill:</p> <p>5I.3 Division with decimal quotients 5I.4 Division with decimal quotients and rounding 5I.5 Division with decimal quotients: word problems 5P.3 Add, subtract, multiply, and divide decimals 5P.4 Add, subtract, multiply, and divide decimals: word problems</p> <p>60.4 Divide decimals by whole numbers 60.5 Divide decimals by whole numbers: word problems 60.7 Division with decimal quotients</p>
<p>7-6 Dividing a Decimal by a Decimal</p>	<p>IXL Skill:</p> <p>5P.3 Add, subtract, multiply, and divide decimals 5P.4 Add, subtract, multiply, and divide decimals: word problems</p> <p>60.4 Divide decimals by whole numbers</p>

	<p>60.5 Divide decimals by whole numbers: word problems</p> <p>60.7 Division with decimal quotients</p>
7-7 Problem-Solving: Multiple-Step Problems	<p>IXL Skill:</p> <p>4F.4 Multi-step word problems</p> <p>5J.1 Multi-step word problems</p> <p>6M.2 Word problems with multiple steps or extra or missing information</p>

Topic 8: Numerical Expressions, Patterns & Relationships

Topic - Lesson	IXL Skill Alignment
8-1 Using Variables to Write Expressions	<p>IXL Skill:</p> <p>4G.1 Write variable expressions</p> <p>4G.2 Write variable expressions: word problems</p> <p>5Q.2 Write variable expressions</p> <p>5Q.3 Evaluate variable expressions</p> <p>5Q.4 Write equations to represent word problems</p> <p>6P.1 Write variable expressions to represent word problems</p>
8-2 Order of Operations	<p>IXL Skill:</p> <p>4G.3 Evaluate variable expressions</p> <p>4G.4 Simplify expressions using order of operations and parentheses</p> <p>4G.5 Write variable equations to represent word problems</p> <p>4G.6 Solve variable equations</p> <p>5Q.1 Simplify expressions using order of operations and parentheses</p> <p>6P.7 Evaluate multi-variable expressions</p>

<p>8-3 Simplifying Expressions</p>	<p>IXL Skill:</p> <p>4G.3 Evaluate variable expressions 4G.4 Simplify expressions using order of operations and parentheses 4G.5 Write variable equations to represent word problems 4G.6 Solve variable equations</p> <p>5Q.1 Simplify expressions using order of operations and parentheses 5Q.5 Solve equations I 5Q.6 Solve equations II 5Q.11 Evaluate functions</p> <p>6P.2 Evaluate variable expressions with whole numbers</p>
<p>8-4 Evaluating Expressions</p>	<p>IXL Skill:</p> <p>4G.3 Evaluate variable expressions 4G.4 Simplify expressions using order of operations and parentheses 4G.5 Write variable equations to represent word problems 4G.6 Solve variable equations</p> <p>5Q.1 Simplify expressions using order of operations and parentheses 5Q.5 Solve equations I 5Q.6 Solve equations II 5Q.11 Evaluate functions</p>
<p>8-5 Addition and Subtraction Expressions</p>	<p>IXL Skill:</p> <p>5Q.7 Function tables</p>
<p>8-6 Multiplication and Division Expressions</p>	<p>IXL Skill:</p> <p>5Q.7 Function tables</p>

8-7 Patterns: Extending Tables	<p>IXL Skill:</p> <p>5Q.8 Convert graphs to input/output tables 5T.2 Increasing growth patterns 5T.3 Patterns involving addition and multiplication 5T.4 Numeric patterns: word problems</p>
8-8 Variables and Expressions	<p>IXL Skill:</p> <p>4G.1 Write variable expressions 4G.2 Write variable expressions: word problems</p> <p>5Q.2 Write variable expressions</p> <p>6P.1 Write variable expressions to represent word problems 6P.2 Evaluate variable expressions with whole numbers 6P.3 Solve word problems involving two-variable equations 6P.4 Evaluate variable expressions involving decimals, fractions, and mixed numbers</p>
8-9 Problem-Solving: Act it Out and Use Reasoning	<p>IXL Skill:</p> <p>6M.5 Use logical reasoning to find the order</p>

Topic 9: Adding and Subtracting Fractions

Topic - Lesson	IXL Skill Alignment
9-1 Equivalent Fractions	<p>IXL Skill:</p> <p>4Q.1 Equivalent fractions 4Q.2 Patterns of equivalent fractions</p> <p>5L.1 Fractions review 5L.2 Equivalent fractions</p> <p>6T.2 Equivalent fractions review</p>

9-2 Fractions in Simplest Form	<p>IXL Skill:</p> <p>4Q.3 Reduce fractions to simplest form 4Q.4 Fractions review</p> <p>5L.3 Reduce fractions to simplest form</p> <p>6T.3 Simplify fractions</p>
9-3 Problem-Solving: Writing to Explain	
9-4 Estimating Sums and Differences of Fractions	
9-5 Common Multiples and Least Common Multiple	<p>IXL Skill:</p> <p>5K.6 Greatest common factor 5K.7 Least common multiple</p> <p>6N.7 Greatest common factor 6N.8 Least common multiple 6N.9 GCF and LCM: word problems</p>
9-6 Finding Common Denominators	<p>IXL Skill:</p> <p>5L.5 Least common denominator</p> <p>6T.5 Least common denominator</p>
9-7 Adding Fractions with Unlike Denominators	<p>IXL Skill:</p> <p>4R.4 Add fractions with unlike denominators 4R.7 Add 3 or more fractions with unlike denominators 4R.8 Add 3 or more fractions with like and unlike denominators: word problems</p> <p>5M.1 Add and subtract fractions with like denominators 5M.2 Add and subtract fractions with like denominators: word problems 5M.4 Add fractions with unlike denominators 5M.6 Add and subtract fractions with unlike denominators: word problems</p>

	<p>6U.1 Add and subtract fractions with like denominators</p> <p>6U.2 Add and subtract fractions with like denominators: word problems</p> <p>6U.3 Add and subtract fractions with unlike denominators</p> <p>6U.4 Add and subtract fractions with unlike denominators: word problems</p>
<p>9-8 Subtracting Fractions with Unlike Denominators</p>	<p>IXL Skill:</p> <p>4R.5 Subtract fractions with unlike denominators</p> <p>4R.6 Add and subtract fractions with unlike denominators: word problems</p> <p>5M.1 Add and subtract fractions with like denominators</p> <p>5M.2 Add and subtract fractions with like denominators: word problems</p> <p>5M.5 Subtract fractions with unlike denominators</p> <p>5M.6 Add and subtract fractions with unlike denominators: word problems</p> <p>6U.1 Add and subtract fractions with like denominators</p> <p>6U.2 Add and subtract fractions with like denominators: word problems</p> <p>6U.3 Add and subtract fractions with unlike denominators</p> <p>6U.4 Add and subtract fractions with unlike denominators: word problems</p>
<p>9-9 More Adding and Subtracting Fractions</p>	<p>IXL Skill:</p> <p>5M.1 Add and subtract fractions with like denominators</p> <p>5M.2 Add and subtract fractions with like denominators: word problems</p> <p>5M.4 Add fractions with unlike denominators</p> <p>5M.5 Subtract fractions with unlike denominators</p> <p>5M.6 Add and subtract fractions with unlike denominators: word problems</p> <p>5M.7 Add 3 or more fractions with unlike denominators</p> <p>5M.8 Add 3 or more fractions: word problems</p>

	<p>6U.1 Add and subtract fractions with like denominators</p> <p>6U.2 Add and subtract fractions with like denominators: word problems</p> <p>6U.3 Add and subtract fractions with unlike denominators</p> <p>6U.4 Add and subtract fractions with unlike denominators: word problems</p>
9-10 Problem-Solving: Draw a Picture and Write an Equation	

Topic 10: Adding and Subtracting Mixed Numbers

Topic - Lesson	IXL Skill Alignment
10-1 Improper Fractions and Mixed Numbers	<p>IXL Skill:</p> <p>4Q.10 Convert between improper fractions and mixed numbers</p> <p>5L.4 Convert between improper fractions and mixed numbers</p> <p>6T.8 Convert between improper fractions and mixed numbers</p>
10-2 Estimating Sums and Differences of Mixed Numbers	<p>IXL Skill:</p> <p>5M.11 Estimate sums and differences of mixed numbers</p> <p>6U.8 Estimate sums and differences of mixed numbers</p>
10-3 Modeling Addition and Subtraction of Mixed Numbers	<p>IXL Skill:</p> <p>5M.3 Add and subtract mixed numbers with like denominators</p>
10-4 Adding Mixed Numbers	<p>IXL Skill:</p> <p>4R.10 Add and subtract mixed numbers with like denominators</p>

	<p>4R.11 Add and subtract mixed numbers with unlike denominators 4R.12 Add and subtract mixed numbers with like and unlike denominators: word problems</p> <p>5M.3 Add and subtract mixed numbers with like denominators 5M.12 Add mixed numbers with unlike denominators 5M.14 Add and subtract mixed numbers: word problems</p> <p>6U.6 Add and subtract mixed numbers 6U.7 Add and subtract mixed numbers: word problems</p>
<p>10-5 Subtracting Mixed Numbers</p>	<p>IXL Skill:</p> <p>4R.10 Add and subtract mixed numbers with like denominators 4R.11 Add and subtract mixed numbers with unlike denominators 4R.12 Add and subtract mixed numbers with like and unlike denominators: word problems</p> <p>5M.3 Add and subtract mixed numbers with like denominators 5M.13 Subtract mixed numbers with unlike denominators 5M.14 Add and subtract mixed numbers: word problems</p> <p>6U.6 Add and subtract mixed numbers 6U.7 Add and subtract mixed numbers: word problems</p>
<p>10-6 More Adding and Subtracting Mixed Numbers</p>	<p>IXL Skill:</p> <p>5M.3 Add and subtract mixed numbers with like denominators 5M.12 Add mixed numbers with unlike denominators 5M.13 Subtract mixed numbers with unlike denominators 5M.14 Add and subtract mixed numbers: word problems</p>

	<p>6U.6 Add and subtract mixed numbers</p> <p>6U.7 Add and subtract mixed numbers: word problems</p>
10-7 Problem-Solving: Draw a Picture and Write an Equation	

Topic 11: Multiplying and Dividing Fractions and Mixed Numbers

Topic - Lesson	IXL Skill Alignment
11-1 Fractions and Division	
11-2 Multiplying Fractions and Whole Numbers	<p>IXL Skill:</p> <p>4Q.7 Fractions of a number</p> <p>4Q.8 Fractions of a number: word problems</p> <p>4S.1 Multiply fractions by whole numbers I</p> <p>4S.2 Multiply fractions by whole numbers II</p> <p>4S.3 Multiply fractions by whole numbers: word problems</p> <p>5N.1 Multiply fractions by whole numbers I</p> <p>5N.2 Multiply fractions by whole numbers II</p> <p>5N.3 Multiply fractions by whole numbers: word problems</p> <p>5N.4 Multiply fractions by whole numbers: input/output tables</p> <p>6V.1 Fractions of whole numbers I</p> <p>6V.2 Fractions of whole numbers II</p> <p>6V.3 Fractions of a number: word problems</p>
11-3 Estimating Products	<p>IXL Skill:</p> <p>5N.1 Multiply fractions by whole numbers I</p> <p>5N.2 Multiply fractions by whole numbers II</p> <p>5N.3 Multiply fractions by whole numbers: word problems</p> <p>5N.4 Multiply fractions by whole numbers: input/output tables</p>

	<p>6V.4 Estimate products of fractions and whole numbers</p>
<p>11-4 Multiplying Two Fractions</p>	<p>IXL Skill:</p> <p>5N.5 Multiply fractions - with models 5N.6 Multiply two fractions 5N.7 Multiply two fractions: word problems 5N.8 Multiply three or more fractions and whole numbers 5N.9 Complete the fraction multiplication sentence</p> <p>6V.5 Multiply fractions - with models 6V.6 Multiply two fractions 6V.7 Multiply fractions: word problems</p>
<p>11-5 Area of a Rectangle</p>	<p>IXL Skill:</p> <p>4P.16 Area of squares and rectangles 4P.17 Area of complex figures (with all right angles)</p> <p>5B.16 Area of squares and rectangles 5N.5 Multiply fractions - with models 5N.6 Multiply two fractions 5N.7 Multiply two fractions: word problems</p> <p>6Z.24 Rectangles: relationship between perimeter and area</p>
<p>11-6 Multiplying Mixed Numbers</p>	<p>IXL Skill:</p> <p>5N.10 Estimate products of mixed numbers 5N.11 Multiply a mixed number by a whole number 5N.12 Multiply a mixed number by a fraction 5N.13 Multiply two mixed numbers 5N.14 Multiply three or more mixed numbers, fractions, and/or whole numbers 5N.15 Multiplication with mixed numbers: word problems</p> <p>6V.10 Multiply mixed numbers and whole numbers 6V.11 Multiply mixed numbers 6V.12 Multiply mixed numbers: word problems</p>

11-7 Multiplication as Scaling	IXL Skill: 5N.5 Multiply fractions - with models
11-8 Problem-Solving: Multiple-Step Problems	IXL Skill: 4F.4 Multi-step word problems 5J.1 Multi-step word problems 6M.2 Word problems with multiple steps or extra or missing information
11-9 Dividing Whole Numbers by Unit Fractions	IXL Skill: 5L.11 Reciprocals 5O.2 Divide whole numbers by fractions 6W.1 Divide by fractions - with models 6W.2 Reciprocals
11-10 Dividing Unit Fractions by Non-Zero Whole Numbers	IXL Skill: 5L.11 Reciprocals 5O.1 Divide fractions by whole numbers 6W.1 Divide by fractions - with models 6W.2 Reciprocals
11-11 Problem-Solving: Draw a Picture and Write an Equation	

Topic 12: Volume of Solids

Topic - Lesson	IXL Skill Alignment
12-1 Solids	IXL Skill: 4P.5 Which 3-dimensional figure is being described?

	<p>4P.7 Count and compare sides, edges, faces, and vertices</p> <p>5B.1 Identify planar and solid figures</p> <p>5B.9 Count and compare sides, edges, faces, and vertices</p> <p>6Z.29 Which figure is being described?</p>
12-2 Views of Solids	<p>IXL Skill:</p> <p>5B.25 Three-dimensional figures viewed from different perspectives</p> <p>6Z.30 Front, side, and top view</p>
12-3 Problem-Solving: Use Objects and Solve a Simpler Problem	
12-4 Models and Volume	<p>IXL Skill:</p> <p>5B.22 Volume of figures made of unit cubes</p>
12-5 Volume	<p>IXL Skill:</p> <p>4P.18 Volume</p> <p>5B.22 Volume of figures made of unit cubes</p> <p>5B.24 Volume of cubes and rectangular prisms</p> <p>6Z.32 Volume and surface area</p>
12-6 Combining Volumes	<p>IXL Skill:</p> <p>5B.22 Volume of figures made of unit cubes</p> <p>5B.23 Volume of cubes and rectangular prisms</p>
12-7 Problem-Solving: Use Objects and Reasoning	<p>IXL Skill:</p> <p>6M.5 Use logical reasoning to find the order</p>

Topic 13: Units of Measure

Topic - Lesson	IXL Skill Alignment
13-1 Converting Customary Units of Length	<p>IXL Skill:</p> <ul style="list-style-type: none">4N.1 Compare and convert customary units5W.1 Choose the appropriate customary unit of measure5W.3 Compare and convert customary units5W.5 Compare customary units by multiplying5W.7 Convert mixed customary units5W.9 Convert between metric and customary units 6Y.3 Convert and compare customary units
13-2 Converting Customary Units of Capacity	<p>IXL Skill:</p> <ul style="list-style-type: none">4N.1 Compare and convert customary units5W.1 Choose the appropriate customary unit of measure5W.3 Compare and convert customary units5W.5 Compare customary units by multiplying5W.7 Convert mixed customary units5W.9 Convert between metric and customary units 6Y.3 Convert and compare customary units
13-3 Converting Customary Units of Weight	<p>IXL Skill:</p> <ul style="list-style-type: none">4N.1 Compare and convert customary units5W.1 Choose the appropriate customary unit of measure5W.3 Compare and convert customary units5W.5 Compare customary units by multiplying5W.7 Convert mixed customary units5W.9 Convert between metric and customary units 6Y.3 Convert and compare customary units

<p>13-4 Converting Metric Units of Length</p>	<p>IXL Skill:</p> <p>4N.2 Compare and convert metric units</p> <p>5W.2 Choose the appropriate metric unit of measure</p> <p>5W.4 Compare and convert metric units</p> <p>5W.9 Convert between metric and customary units</p> <p>6Y.7 Convert and compare metric units</p>
<p>13-5 Converting Metric Units of Capacity</p>	<p>IXL Skill:</p> <p>4N.2 Compare and convert metric units</p> <p>5W.2 Choose the appropriate metric unit of measure</p> <p>5W.4 Compare and convert metric units</p> <p>5W.9 Convert between metric and customary units</p> <p>6Y.7 Convert and compare metric units</p>
<p>13-6 Converting Metric Units of Mass</p>	<p>IXL Skill:</p> <p>4N.2 Compare and convert metric units</p> <p>5W.2 Choose the appropriate metric unit of measure</p> <p>5W.4 Compare and convert metric units</p> <p>5W.9 Convert between metric and customary units</p> <p>6Y.7 Convert and compare metric units</p>
<p>13-7 Problem-Solving: Multiple-Step Problems</p>	<p>IXL Skill:</p> <p>4F.4 Multi-step word problems</p> <p>5J.1 Multi-step word problems</p> <p>6M.2 Word problems with multiple steps or extra or missing information</p>

Topic 14: Data

Topic - Lesson	IXL Skill Alignment
14-1 Line Plots	IXL Skill: 4J.6 Interpret line plots 4J.7 Create line plots 5S.10 Interpret line plots 5S.11 Create line plots 5S.12 Frequency charts 6R.4 Create line plots
14-2 Data from Surveys	IXL Skill: 4J.8 Frequency charts 5S.10 Interpret line plots 5S.11 Create line plots 5S.12 Frequency charts 5S.1 Read a table 5S.2 Interpret line graphs 6R.4 Create line plots 6R.5 Create frequency tables
14-3 Making Line Plots	IXL Skill: 4J.7 Create line plots 5S.11 Create line plots 6R.4 Create line plots 6R.5 Create frequency tables
14-4 Measurement Data	
14-5 Problem-Solving: Writing to Explain	

Topic 15: Classifying Plane Figures

Topic - Lesson	IXL Skill Alignment
15-1 Polygons	<p>IXL Skill:</p> <p>4P.1 Identify planar and solid figures 4P.3 Open and closed shapes and qualities of polygons 4P.4 Which 2-dimensional shape is being described?</p> <p>5B.3 Open and closed shapes and qualities of polygons 5B.4 Regular and irregular polygons 5B.5 Number of sides in polygons 5B.6 Which figure is being described? 5B.10 Similar and congruent</p> <p>6Z.2 Review of 2- and 3-dimensional figures</p>
15-2 Triangles	<p>IXL Skill:</p> <p>4P.2 Types of triangles</p> <p>5B.2 Types of triangles 5B.10 Similar and congruent</p> <p>6Z.8 Triangle review</p>
15-3 Properties of Quadrilaterals	<p>IXL Skill:</p> <p>5B.7 Classify quadrilaterals 6Z.9 Classify quadrilaterals</p>
15-4 Special Quadrilaterals	<p>IXL Skill:</p> <p>5B.7 Classify quadrilaterals 6Z.9 Classify quadrilaterals</p>
	<p>IXL Skill:</p> <p>5B.7 Classify quadrilaterals</p>

15-5 Classifying Quadrilaterals	6Z.9 Classify quadrilaterals
15-6 Problem-Solving: Make and Test Generalizations	

Topic 16: Coordinate Geometry

Topic - Lesson	IXL Skill Alignment
16-1 Ordered Pairs	<p>IXL Skill:</p> <p>4I.1 Coordinate graphs review 4I.2 Graph points on a coordinate plane 4I.4 Coordinate graphs as maps</p> <p>5R.1 Coordinate graphs review - whole numbers only 5R.3 Graph points on a coordinate plane 5R.4 Location and relative coordinates on maps</p> <p>6Q.2 Graph points on a coordinate plane 6Q.3 Coordinate graphs as maps</p>
16-2 Distance on a Coordinate Plane	<p>IXL Skill:</p> <p>4I.3 Relative coordinates</p> <p>5R.1 Coordinate graphs review - whole numbers only 5R.3 Graph points on a coordinate plane 5R.4 Location and relative coordinates on maps</p> <p>6Q.7 Relative coordinates</p>
16-3 Problem-Solving: Solve a Simpler Problem	
16-4 Patterns and Graphing	<p>IXL Skill:</p> <p>5Q.8 Convert graphs to input/output tables</p> <p>6Q.4 Find points on a function graph</p>

16-5 More Patterns and Graphing	IXL Skill: 5Q.8 Convert graphs to input/output tables 6Q.4 Find points on a function graph
16-6 Problem-Solving: Word Backward	