

Common Core Standards Plus® - Mathematics – Grade 7 with Common Core ELD Standard Alignment

Domain	Lesson	Focus	Standard(s)	ELD Standards	
Ratios & Proportional Relationships (Ratios & Proportional Relationships Standards: 7.RP.1 – 7.RP.3)	1	Unit Rate	7.RP.1: Compute unit rates associated with ratios of fractions, including ratios of lengths, areas and other quantities measured in like or different units.	ELD.PI.7.1: Exchanging information/ideas via oral communication and conversations. ELD.PI.7.5: Listen actively and ask/answer questions about what was heard. ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading. ELD.PI.7.10: Composing/writing literary and informational texts.	
	2	Unit Rate			
	3	Unit Rate			
	4	Unit Rate			
	E1	Evaluation – Unit Rate			
	P1	Performance Lesson #1 – Using Unit Rates (7.RP.1)			
	5	Proportional Relationships	7.RP.2a: Decide whether two quantities are in a proportional relationship,.	ELD.PI.7.1: Exchanging information/ideas via oral communication and conversations. ELD.PI.7.5: Listen actively and ask/answer questions about what was heard. ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading. ELD.PI.7.10: Composing/writing literary and informational texts.	
	6	Proportional Relationships	7.RP.2a, 7.RP.2b: Identify the constant of proportionality (unit rate) in tables, graphs, equations, diagrams, and verbal descriptions of proportional relationships.		
	7	Proportional Relationships			
	8	Proportional Relationships			
	E2	Evaluation – Proportional Relationships			
	9	Proportional Relationships	7.RP.2a, 7.RP.2b	ELD.PI.7.5: Listen actively and ask/answer questions about what was heard. ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading. ELD.PI.7.10: Composing/writing literary and informational texts.	
	10	Proportional Relationships			
	11	Multistep Ratio Problems	7.RP.3: Use proportional relationships to solve multi-step ratio and percent problems.	ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading. ELD.PI.7.10: Composing/writing literary and informational texts.	
	12	Multistep Ratio Problems			
	E3	Evaluation – Proportional Relationships	7.RP.2a, 7.RP.2b, 7.RP.3		
	13	Multistep Ratio Problems	7.RP.3	ELD.PI.7.5: Listen actively and ask/answer questions about what was heard. ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading. ELD.PI.7.10: Composing/writing literary and informational texts.	
	14	Multistep Ratio Problems			
	15	Simple Interest			
	16	Multistep Ratio Problems			
	E4	Evaluation – Simple Interest			
	17	Sales Tax & Gratuities	7.RP.3	ELD.PI.7.5: Listen actively and ask/answer questions about what was heard. ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading.	
	18	Sales Tax & Gratuities			
	19	Discount			
	20	Discount			
	E5	Tax, Gratuity, & Discount			
21	Markup	7.RP.3	ELD.PI.7.5: Listen actively and ask/answer questions about what was heard. ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading. ELD.PI.7.10: Composing/writing literary and informational texts.		
22	Markup				
23	Commission & Fees				
24	Commission & Fees				
E6	Commission & Fees				

Common Core Standards Plus® - Mathematics – Grade 7 with Common Core ELD Standard Alignment

Domain	Lesson	Focus	Standard(s)	ELD Standards
Ratios & Proportional Relationships	25	Percent Increase/Decrease	7.RP.3	<p>ELD.PI.7.1: Exchanging information/ideas via oral communication and conversations.</p> <p>ELD.PI.7.5: Listen actively and ask/answer questions about what was heard.</p> <p>ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading.</p> <p>ELD.PI.7.10: Composing/writing literary and informational texts.</p>
	26	Percent Increase/Decrease		
	27	Percent Error		
	28	Percent Increase, Decrease, & Error		
	E7	Evaluation – Markdown, Markup, Commission & Percent of Change		
	P2	Performance Lesson #2 – Exploring Proportionality (7.RP.2a, 7.RP.2b, 7.RP.3)		
The Number System (The Number System Standards: 7.NS.1a-c, 7.NS.2b-d, 7.NS.3)	1	Opposite Quantities on the # Line	7.NS.1a: Describe situations in which opposite quantities combine to make 0.	<p>ELD.PI.7.5: Listen actively and ask/answer questions about what was heard.</p> <p>ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading.</p> <p>ELD.PI.7.10: Composing/writing literary and informational texts.</p>
	2	Opposite Quantities on the # Line		
	3	Add Rational Numbers on the # Line	7.NS1.b: Understand $p + q$ as the number located a distance $ q $ from p , in the positive or negative direction depending on whether q is positive or negative. Show that a number and its opposite have a sum of 0 (are additive inverses). Interpret sums of rational numbers by describing real-world contexts.	
	4	Add Rational Numbers on the # Line		
	E1	Evaluation – Add Rational Numbers		
	5	Adding Quantities on the Number Line	7.NS.1b	
	6	Subtraction and Additive Inverses	7.NS1c: Understand subtraction of rational numbers as adding the additive inverse, $p - q = p + (-q)$. Show that the distance between two rational numbers on the number line is the absolute value of their difference, and apply this principle in real-world contexts.	
	7	Absolute Value on a Number Line		
	8	Absolute Value in Real-World Contexts		
	E2	Evaluation – Adding and Subtracting Rational Numbers	7.NS.1b, 7.NS.1b	
	9	Adding and Subtracting Integers	7.NS.1d: Apply properties of operations as strategies to add and subtract rational numbers.	<p>ELD.PI.7.5: Listen actively and ask/answer questions about what was heard.</p> <p>ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading.</p>
	10	Adding and Subtracting Integers		
	11	Adding and Subtracting Integers		
	12	Adding and Subtracting Decimals		
	E3	Adding and Subtracting Decimals		
	13	Adding and Subtracting Decimals	7.NS.1d	<p>ELD.PI.7.5: Listen actively and ask/answer questions about what was heard.</p> <p>ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading.</p> <p>ELD.PI.7.10: Composing/writing literary and informational texts.</p>
	14	Adding and Subtracting Decimals		
	15	Adding and Subtracting Decimals		
16	Adding and Subtracting Decimals			
E4	Evaluation – Adding and Subtracting Decimals			
P3	Performance Lesson #3 – Adding and Subtracting Rational Numbers (7.NS.1a, 7.NS.1b, 7.NS.1c, 7.NS.1d)			

Common Core Standards Plus® - Mathematics – Grade 7 with Common Core ELD Standard Alignment

Domain	Lesson	Focus	Standard(s)	ELD Standards	
The Number System (The Number System Standards: 7.NS.1a-c, 7.NS.2b-d, 7.NS.3)	17	Multiplying Integers with Tiles	7.NS.2a: Understand that multiplication is extended from fractions to rational numbers by requiring that operations continue to satisfy the properties of operations, particularly the distributive property, leading to products such as $(-1)(-1) = 1$ and the rules for multiplying signed numbers. Interpret products of rational numbers by describing real-world contexts.	<p>ELD.PI.7.5: Listen actively and ask/answer questions about what was heard.</p> <p>ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading.</p> <p>ELD.PI.7.10: Composing/writing literary and informational texts.</p>	
	18	Multiplying Integers on a Number Line			
	19	Integers and the Distributive Property			
	20	Products in Real-World Contexts			
	E5	Evaluation – Multiplying Integers			
	21	Decimals and the Distributive Property	7.NS.2a	<p>ELD.PI.7.5: Listen actively and ask/answer questions about what was heard.</p> <p>ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading.</p>	
	22	Multiplying Fractions	7.NS.2a, 7.NS.2b: Understand that integers can be divided, provided that the divisor is not zero, and every quotient of integers (with non-zero divisor) is a rational number. If p and q are integers, then $-(p/q) = (-p)/q = p/(-q)$. Interpret quotients of rational numbers by describing real world contexts.		
	23	Dividing Rational Numbers	7.NS.2b		
	24	Dividing Rational Numbers			
	E6	Evaluation – Multiplying and Dividing Rational Numbers	7.NS.2a, 7.NS.2b		
	25	Multiplying Rational Numbers	7.NS.2c: Apply properties of operations as strategies to multiply and divide rational numbers.		<p>ELD.PI.7.5: Listen actively and ask/answer questions about what was heard.</p> <p>ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading.</p> <p>ELD.PI.7.10: Composing/writing literary and informational texts.</p>
	26	Dividing Rational Numbers			
	27	Converting Rational Numbers to Decimals	7.NS.2d: Convert a rational number to a decimal using long division; know that the decimal form of a rational number terminates in 0s or eventually repeats.		
	28	Converting Rational Numbers to Decimals			
	E7	Evaluation – Multiplying, Dividing and Converting Rational Numbers	7.NS2c, 7.NS2d		
	P4	Performance Lesson #4 – Multiplying and Dividing Rational Numbers (7.NS.2a, 7.NS.2b, 7.NS.2c, 7.NS.2d)			
	Expressions and Equations	29	Solving Problems Involving the Four Operations with Rational Numbers	7.NS3: Solve real-world and mathematical problems involving the four operations with rational numbers.	<p>ELD.PI.7.5: Listen actively and ask/answer questions about what was heard.</p> <p>ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading.</p>
		30	Solving Problems Involving the Four Operations		
		31	Solving Real-World Problems		
32		Solving Real-World Problems			
E8		Solving Real-World Problems			
1		Simplify Algebraic Expressions	7.EE.1: Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients.	<p>ELD.PI.7.5: Listen actively and ask/answer questions about what was heard.</p> <p>ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading.</p> <p>ELD.PI.7.10: Composing/writing literary and informational texts.</p>	
2		Generate Equivalent Expressions			
3		Generate Equivalent Expressions			
4		Generate Equivalent Expressions			
E1		Evaluation – Generating Equivalent Expressions			

Common Core Standards Plus® - Mathematics – Grade 7 with Common Core ELD Standard Alignment

Domain	Lesson	Focus	Standard(s)	ELD Standards
Expressions and Equations (Expressions and Equations Standards: 7.EE.1-3, 7.EE.4a-b)	5	Factor Generate Equivalent Expressions	7.EE.1	ELD.PI.7.5: Listen actively and ask/ answer questions about what was heard. ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading. ELD.PI.7.10: Composing/writing literary and informational texts.
	6	Factor Generate Equivalent Expressions		
	7	Expressions in Problem Situations	7.EE.2: Understand that rewriting an expression in different forms in a problem context can shed light on the problem and how the quantities in it are related.	
	8	Expressions in Problem Situations		
	E2	Evaluation – Generate Equivalent Expressions	7.EE.1 & 7.EE.2	
	P5	Performance Lesson #5 – Working with Expressions (7.EE.1, 7.EE.2)		
	9	Solve Multi-Step Real-Life Problems	7.EE.3: Solve multi-step real-life and mathematical problems posed with positive and negative rational numbers in any form (whole numbers, fractions, and decimals), using tools strategically. Apply properties of operations to calculate with numbers in any form; convert between forms as appropriate; and assess the reasonableness of answers using mental computation and estimation strategies.	ELD.PI.7.5: Listen actively and ask/ answer questions about what was heard. ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading. ELD.PI.7.10: Composing/writing literary and informational texts.
	10	Solve Multi-Step Real-Life Problems		
	11	Solve Multi-Step Real-Life Problems		
	12	Solve Multi-Step Real-Life Problems		
	E3	Evaluation – Solving Multi-Step Real-Life Problems		
	13	Solving Multi-Step Real-Life Problems	7.EE.3	ELD.PI.7.5: Listen actively and ask/ answer questions about what was heard. ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading. ELD.PI.7.10: Composing/writing literary and informational texts.
	14	Solving Multi-Step Real-Life Problems		
	15	Solving Multi-Step Real-Life Problems		
	16	Solving Multi-Step Real-Life Problems		
	E4	Evaluation – Solve Multi-Step Real-Life Problems		
	17	Solve Equations in the Form of $px + q = r$	7.EE.4a: Solve word problems leading to equations of the form $px + q = r$ and $p(x + q) = r$, where p , q , and r are specific rational numbers.	ELD.PI.7.5: Listen actively and ask/ answer questions about what was heard. ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading. ELD.PI.7.10: Composing/writing literary and informational texts.
	18	Solve Equations in the Form of $p(x + q) = r$		
	19	Solve Word Problems		
	20	Solve Word Problems		
	E5	Evaluation – Solve Linear Equations and Word Problems		
	P6	Performance Lesson #6 – Equations - (7.EE.3, 7.EE.4a)		
	21	Solve Word Problems	7.EE.4a	ELD.PI.7.5: Listen actively and ask/ answer questions about what was heard. ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading.
	22	Solve Linear Equations and Word Problems		
23	Solve and Graph Solutions to Inequalities	7.EE.4b: Solve word problems leading to inequalities of the form $px + q > r$ or $px + q < r$, where p , q , & r are specific rational numbers. Graph the solution set of the inequality and interpret it in the context of the problem.		
24	Solve and Graph Solutions to Inequalities			
E6	Evaluation – Solve Equations and Inequalities	7.EE.4a and 7.EE.4b		

Common Core Standards Plus® - Mathematics – Grade 7 with Common Core ELD Standard Alignment

Domain	Lesson	Focus	Standard(s)	ELD Standards
Expressions and Equations	25	Solve Word Problems Leading to Inequalities	7.EE.4b	<p>ELD.PI.7.5: Listen actively and ask/answer questions about what was heard.</p> <p>ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading.</p> <p>ELD.PI.7.10: Composing/writing literary and informational texts.</p>
	26	Solve Word Problems Leading to Inequalities		
	27	Solve Word Problems Leading to Inequalities		
	28	Solve Word Problems Leading to Inequalities		
	E7	Evaluation – Solve Word Problems Leading to Inequalities		
	P7	Performance Lesson #7 – Inequalities (7.EE.4a, 7.EE.4b)		
Statistics and Probability (Statistics & Probability Standards: 7.SP.1-6, 7.SP.7a-b, 7.SP.8a-c)	1	Understanding Probabilities	7.SP.5: Understand that the probability of a chance event is a number between 0 & 1 that expresses the likelihood of the event occurring. Larger numbers indicate greater likelihood. A probability near 0 indicates an unlikely event, a probability around 1/2 indicates an event that is neither unlikely nor likely, and a probability near 1 indicates a likely event.	<p>ELD.PI.7.5: Listen actively and ask/answer questions about what was heard.</p> <p>ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading.</p> <p>ELD.PI.7.10: Composing/writing literary and informational texts.</p>
	2	Understanding Probabilities		
	3	Experimental Probabilities	7.SP.6: Approximate the probability of a chance event by collecting data on the chance process that produces it and observing its long-run relative frequency, and predict the approximate relative frequency given the probability.	
	4	Experimental Probabilities		
	E1	Evaluation – Theoretical and Experimental Probability		
	5	Determine Probabilities		
	6	Determine Probabilities	7.SP.7a: Develop a uniform probability model by assigning equal probability to all outcomes; use the model to determine probabilities of events.	<p>ELD.PI.7.5: Listen actively and ask/answer questions about what was heard.</p> <p>ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading.</p> <p>ELD.PI.7.10: Composing/writing literary and informational texts.</p>
	7	Understanding Probabilities	7.SP.7b: Develop a probability model (which may not be uniform) by observing frequencies in data generated from a chance process.	
	8	Understanding Probabilities		
	E2	Evaluation – Determining Probability	7.SP.7a-b	
	9	Finding Probabilities of Compound Events	7.SP.8a: Understand that, just as with simple events, the probability of a compound event is the fraction of outcomes in the sample space for which the compound event occurs.	<p>ELD.PI.7.5: Listen actively and ask/answer questions about what was heard.</p> <p>ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading.</p> <p>ELD.PI.7.10: Composing/writing literary and informational texts.</p>
	10	Finding Compound Probabilities	7.SP.8a-b: Represent sample spaces for compound events using methods such as organized lists, tables and tree diagrams.	
	11	Finding Compound Probabilities		
	12	Using a Simulation	7.SP.8c: Design and use a simulation to generate frequencies for compound events.	
	E3	Finding Compound Probabilities	7.SP.8a, 7.SP.8b, and 7.SP.8c	
	P8	Performance Lesson #8 – Exploring Probability (7.SP.5, 7.SP.6, 7.SP.7a-b, 7.SP.8a-c)		
	13	Sample Population	7.SP.1: Understand that statistics can be used to gain information about a population by examining a sample of the population; generalizations about a population from a sample are valid only if the sample is representative of that population. Understand that random sampling tends to produce representative samples & support valid inferences.	<p>ELD.PI.7.5: Listen actively and ask/answer questions about what was heard.</p> <p>ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading.</p> <p>ELD.PI.7.10: Composing/writing literary and informational texts.</p>
	14	Making Inferences of a Population	7.SP.2: Use data from a random sample to draw inferences about a population with an unknown characteristic of interest. Generate multiple samples (or simulated samples) of the same size to gauge the variation in estimates/predictions.	
	15	Making Inferences of a Population		
	16	Evaluate Multiple Samples		
	E4	Evaluation – Random Sampling and Drawing Inferences	7.SP.1, 7.SP.2	

Common Core Standards Plus® - Mathematics – Grade 7 with Common Core ELD Standard Alignment

Domain	Lesson	Focus	Standard(s)	ELD Standards	
Statistics and Probability	17	Assess Overlap Between Data Distributions	7.SP.3: Informally assess the degree of visual overlap of two numerical data distributions with similar variabilities, measuring the difference between the centers by expressing it as a multiple of a measure of variability.	<p>ELD.PI.7.5: Listen actively and ask/answer questions about what was heard.</p> <p>ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading.</p> <p>ELD.PI.7.10: Composing/writing literary and informational texts.</p>	
	18	Assess Overlap of Data Distributions			
	19	Inferences about Two Populations	7.SP.4: Use measures of center and measures of variability for numerical data from random samples to draw informal comparative inferences about two populations.		
	20	Inferences about Two Populations			
	E5	Evaluation – Inferences about Two Populations			
	P9	Performance Lesson #9 – Exploring Statistics (7.SP.1, 7.SP.2, 7.SP.3, 7.SP.4)			
	Geometry (Geometry Standards: 7.G.1-6)	1	Scale Factors		7.G.1: Solve problems involving scale drawings of geometric figures, including computing actual lengths and areas from a scale drawing and reproducing a scale drawing at a different scale.
		2	Similar Figures		
		3	Computing Lengths and Area of Scale Drawings		
		4	Reproduction of Scale Drawings		
E1		Evaluation – Similarity and Scale Drawings			
P10		Performance Lesson #10 – Draw It to Scale (7.G.1)			
Geometry (Geometry Standards: 7.G.1-6)		5	Classification of Triangles	7.G.2: Draw (freehand, with ruler and protractor, and with technology) geometric shapes with given conditions. Focus on constructing triangles from three measures of angles or sides, noticing when the conditions determine a unique triangle, more than one triangle, or no triangle.	
		6	Constructing Triangles Using Angles		
		7	Constructing Triangles Using Side Lengths		
		8	Determining Unique Triangles		
	E2	Evaluation – Constructions			
	Geometry (Geometry Standards: 7.G.1-6)	9	Planes and Three-Dimensional Figures	7.G.3: Describe the two-dimensional figures that result from slicing three-dimensional figures, as in plane sections of right rectangular prisms and right rectangular pyramids.	
		10	Relationship of Pi	7.G.4: Know the formulas for the area and circumference of a circle and use them to solve problems; give an informal derivation of the relationship between the circumference and area of a circle.	
		11	Circumference of a Circle		
		12	Circumference of Circles in Real-Life		
		E3	Slicing 3-Dimensional Figures and Circumference of a Circle	7.G.3 and 7.G.4	
P11		Performance Lesson #11 – Two- and Three-Dimensional Figures (7.G.2, 7.G.3, 7.G.4)			
Geometry (Geometry Standards: 7.G.1-6)		13	Area of a Circle	7.G.4	
		14	Areas of Circles in Real-Life		
		15	Complimentary and Supplementary Angles	7.G.5: Use facts about supplementary, complementary, vertical, & adjacent angles in a multi-step problem to write & solve simple equations for an unknown angle in a figure.	
		16	Vertical Adjacent Angles		
	E4	Evaluation – Circular Area and Angles	7.G.4 and 7.G.5		

Common Core Standards Plus® - Mathematics – Grade 7 with Common Core ELD Standard Alignment

Domain	Lesson	Focus	Standard(s)	ELD Standards
Geometry (Geometry Standards: 7.G.1-6)	17	Finding Unknown Angles	7.G.5	ELD.PI.7.5: Listen actively and ask/ answer questions about what was heard. ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading. ELD.PI.7.10: Composing/writing literary and informational texts.
	18	Unknown Angles in Real-World		
	19	Area of Parallelograms	7.G.6: Solve real-world and mathematical problems involving area, volume and surface area of two- and three-dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prisms.	
	20	Area of Triangles		
	E5	Evaluation – Finding Unknown Angles and Area		
	P12	Performance Lesson #12 – All About Angles (7.G.4, 7.G.5, 7.G.6)		
	21	Area of Trapezoids	7.G.6	ELD.PI.7.5: Listen actively and ask/ answer questions about what was heard. ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading.
	22	Area of Composite Figures		
	23	Area in Real-World Contexts		
	24	Surface Area of Prisms and Pyramids		
	E6	Evaluation – Area in Real-World Contexts		
	25	Surface Area of Cubic Figures	7.G.6	ELD.PI.7.5: Listen actively and ask/ answer questions about what was heard. ELD.PI.7.6: Reading closely and explaining interpretations/ideas from reading. ELD.PI.7.10: Composing/writing literary and informational texts.
	26	Surface Area in Real-World Context		
	27	Volume		
	28	Volume in Real-World Contexts		
E7	Surface Area and Volume			