	EnVision Math Unit Lesson	Common Core Standa	Common Core Standards:		
Grade Level: Fourth Grade Topic 6: Developing Fluency: Multiplying by 1-Digit Numbers			4.NBT.5; 4.NBT.3; 4	4.NBT.5; 4.NBT.3; 4.OA.3	
Instructional Emphasis: Number and Operations in Base Ten			Essential Questions:	Essential Questions:	
<ul> <li>Fig Ideas:</li> <li>6-1: There is an expanded algorithm for multiplying where numbers are broken apart using place value and the parts are used to find partial products. The partial products are then added together to find the product.</li> <li>6-2: The standard multiplication algorithm is just a shortened way of recording the information in the expanded multiplication algorithm.</li> <li>6-3: The standard multiplication algorithm is a shortcut for the expanded algorithm. Regrouping is used rather than showing off partial products. Different numerical expressions can have the same value. Or, the value of one expression can be less than (or greater than) the value of the other expression.</li> <li>6-4: The standard algorithm for multiplying three-digit by one-digit numbers is just an extension to the hundreds place of the algorithm for multiplying two-digit by one-digit numbers.</li> <li>6-5: The standard algorithm for multiplication involves breaking apart numbers using place value, finding partial products, and then adding partial products to get the final product. The process is the same regardless of the size of the factors.</li> <li>6-6: Information in a problem can often be shown using a pictures or diagram and used to understand and solve the problem. Some problems can be solved by writing and completing a number sentence or equation.</li> </ul>					
Lesson 1:	Lesson 2:	Lesson 3:	Lesson 4:	Lesson 5:	
Arrays and Using an	Connecting the Expanded	Multiplying 2-Digit by 1-Digit	Multiplying 3- and 4-Digit	Multiplying by 1-Digit	
Expanded Algorithm	and Standard Algorithms	Numbers	by 1-Digit Numbers	Numbers	
Vocabulary:	Vocabulary:	Vocabulary:	Vocabulary:	Vocabulary:	
Ohioativa	Objective	Objective	compensation	Objective	
Objective: Students will record	Objective:	Objective:	Objective	Objective: Students will multiply 2-,	
multiplication using an	Students will multiply 2-digit numbers by 1-digit numbers	Students will multiply 2-digit numbers by 1-digit numbers	Objective: Students will use the	3-, and 4-digit numbers	
expanded algorithm.	using paper-and-pencil	using the standard algorithm	standard algorithm to	by 1-digit numbers using	
expanded digoritimi.	methods.	and estimate to check for	multiply 3- and 4-digit	the standard algorithm	
Materials:	Incorporati	reasonableness.	numbers by 1-digit	and estimate to check for	
Place-Value Blocks	Materials:	. 2230.143.0.10001	numbers.	reasonableness.	
(Teaching Tool 8)	Place-Value Blocks (or	Materials:			
, , , , , , , , , , , , , , , , , , , ,	Teaching tool 8) (optional)		Materials:	Materials:	
Content Reviewed:		Content Reviewed:			
Division; Subtraction;	Content Reviewed:	Place Value; Addition;	Content Reviewed:	Content Reviewed:	
Estimating Sums; Problem	Subtraction; Rounding;	Subtraction; Time;	Comparing Numbers;	Place Value; Subtraction;	
Solving; Multiplcation	Comparing Whole Numbers;	Multiplication; Estimating	Estimating Products;	Choose an Operation;	
	Multiplication/Division Fact	Sums	Patterns; Multiplication	Fact Families; Comparing	
Standard:	Families; Addition; Number		Facts; Multiplication; Place	Whole Numbers;	
4.NBT.5	Patterns	Standard:	Value	Estimating Products;	
				Multiplication	

	Standard:	4 NIDT 5 4 OA 2	Standard:	
		4.NBT.5; 4.OA.3		Character de
	4.NBT.5; 4.OA.3		4.NBT.5	Standard:
				4.NBT.5; 4.NBT.3;
				4.OA.3
Assessment	Assessment	Assessment	Assessment	Assessment
Topic 6 Introduction	Daily Common Core Review			
Daily Common Core Review	Problem-Based Interactive	Problem-Based Interactive	Problem-Based Interactive	Problem-Based Interactive
Problem-Based Interactive	Learning	Learning	Learning	Learning
Learning	Guided Practice	Guided Practice	Guided Practice	Guided Practice
Guided Practice	Independent Practice	Independent Practice	Independent Practice	Independent Practice
Independent Practice	Problem Solving	Problem Solving	Problem Solving	Problem Solving
Problem Solving	Quick Check Master	Quick Check Master	Quick Check Master	Quick Check Master
Quick Check Master	Center Activity	Center Activity	Center Activity	Center Activity
Center Activity	Reteaching, Practice, and	Reteaching, Practice, and	Reteaching, Practice, and	Reteaching, Practice, and
Reteaching, Practice, and	Enrichment Homework	Enrichment Homework	Enrichment Homework	Enrichment Homework
Enrichment Homework				
Lesson 6:				
Problem Solving:				
Missing or Extra				
Information				
Vocabulary:				
Objective				
Objective:				
Students will identify what				
information in a problem is				
missing or is not needed.				
Materials:				
Content Reviewed:				
Addition; Mental Math;				
Subtraction; Place Value;				
Multiplication; Number				
Patterns				
Standard:				
4.NBT.5				
Assessment				
Daily Common Core Review				
Problem-Based Interactive				
Learning				
Guided Practice				
Independent Practice				
Problem Solving				

Quick Check Master		
Center Activity		
Reteaching, Practice, and		
Enrichment Homework		
Topic 6 Assessment		