

Key Learning: Reasoning about numbers and their factors helps us to recognize patterns and develop multiplication fluency.

Unit Essential Question: How can I strengthen number sense by reasoning about multiplication? (Multiplicative reasoning)

Concept: Arrays	Concept: Multiplication Combinations	Concept: Factors and Multiples	
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Lesson Essential Questions: <ul style="list-style-type: none"> How do array models help to represent and solve multiplication problems? 	Lesson Essential Questions: <ul style="list-style-type: none"> What strategies can we use to help us multiply efficiently? 	Lesson Essential Questions: <ul style="list-style-type: none"> How are factors and multiples related? 	
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What does it mean to persevere? How can I share my reasoning and my strategy with others effectively?

Vocabulary: Multiplication, array, dimension, factor pairs, representation, prime, composite, square, product, multiplication combinations (facts), multiplicative reasoning	Vocabulary:	Vocabulary: Multiple, Factor, relationship, related, relate	
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Additional Information & Resources:

MP4 – Model with mathematics.

MP7 – Look for and make use of structure. (Students begin to understand the structure of the number system through counting and use the strategies/tools to solve problems.)