

UNIT 1 - LESSON PLANS

Class Math 3 **Topic** **Multiplication Using Units of 2 and 3: The Commutativity of Multiplication** **Lesson** 6a **Of** 10

Objective

Students will:
Interpret and understand that factors can be interchanged as the multiplicand and the multiplier.

Solve multiplication word problems no matter what the order of the factors is in the expression.

“I Can” Statement

I can multiply two factors in any order.

I can get the product of two numbers even though I interchange them as multiplicands and multipliers.

Common Core Standards

[CCSS.MATH.CONTENT.3.OA.A.1](#)

Interpret products of whole numbers, e.g., interpret 5×7 as the total number of objects in 5 groups of 7 objects each. *For example, describe a context in which a total number of objects can be expressed as 5×7 .*

[CCSS.MATH.CONTENT.3.OA.A.3](#)

Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.

[CCSS.MATH.CONTENT.3.OA.A.4](#)

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Determine the unknown whole number in a multiplication or division equation relating three whole numbers. *For example, determine the unknown number that makes the equation true in each of the equations $8 \times ? = 48$, $5 = _ \div 3$, $6 \times 6 = ?$.*

[CCSS.MATH.CONTENT.3.OA.B.5](#)

Apply properties of operations as strategies to multiply and divide. *Examples: If $6 \times 4 = 24$ is known, then $4 \times 6 = 24$ is also known. (Commutative property of multiplication.) $3 \times 5 \times 2$ can be found by $3 \times 5 = 15$, then $15 \times 2 = 30$, or by $5 \times 2 = 10$, then $3 \times 10 = 30$. (Associative property of multiplication.) Knowing that $8 \times 5 = 40$ and $8 \times 2 = 16$, one can find 8×7 as $8 \times (5 + 2) = (8 \times 5) + (8 \times 2) = 40 + 16 = 56$. (Distributive property.)*

Bell Work

See Bell Work 1-6a

Procedures

1. Start and lead student discussion related to the bell work.
2. Distribute the Guided Notes
3. Present lesson or play a video lesson.
4. Use an Online Activity if time permitted.
5. Distribute Lesson Assignment.

Assessment

Bell Work 1-6a
Assignment 1-6a
Exit Quiz 1-6a

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**Additional
Resources**

See Online Activities