

Grade 3 Properties of Multiplication Lesson I: Identity Property of Multiplication

Rationale: Today's lesson teaches students to use the Identity property to solve a times 1 basic fact or multiplication problem.

Objective: I can multiply any number by 1 and it keeps its identity

Vocabulary: identity property, multiplication, product

Materials: Dry erase boards, Copy of the Must Do worksheet

Lesson:

1. Recall: Let's review some important words.

Factor: Factors are numbers that you multiply together.

Product: A product is the answer to a multiplication problem.

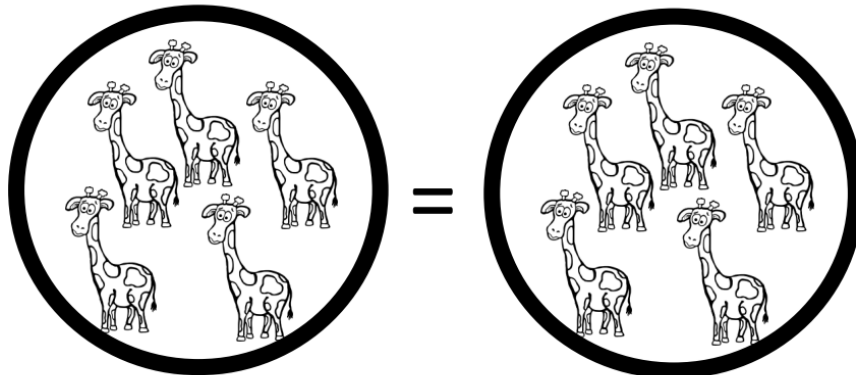
$$3 \times 2 = 6$$

3 and 2 are factors! 6 is the product!

2. Explain to students, "The IDENTITY PROPERTY OF MULTIPLICATION tells me that I can multiply ONE by any number, and that number keeps its identity!"

4. Project:

$1 \times 5 = 5$ If I have ONE group of 5 giraffes, I have 5 giraffes.



5. Repeat this process several times with other examples. Ask students to tell a multiplication story (similar to the giraffe one) that incorporates the IDENTITY PROPERTY.

6. Project: Ask students to "Pick one problem below. Tell a multiplication story to match the problems. Solve on your white board."

$8 \times 1 = \underline{\quad}$

$1 \times 1 = \underline{\quad}$

$15 \times 1 = \underline{\quad}$

$20 \times 1 = \underline{\quad}$

$6 \times 1 = \underline{\quad}$

$11 \times 1 = \underline{\quad}$

6. Must Do