Strategies - Adding 0

Content Area: **Mathematics**
Course(s): **Math 2**
Time Period: **October**
Length: **10 Days**
Status: **Published**

Unit Summary

This unit provides the backdrop for student exploration of addition and subtraction with 0. Students learn the zero property of addition tells us that 0 added to any number results in a sum that is the original quantity.

Standards

MA.2.OA.B	Add and subtract within 20.
MA.2.OA.B.2	Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.
CRP.K-12.CRP2	Apply appropriate academic and technical skills.
CRP.K-12.CRP2.1	Career-ready individuals readily access and use the knowledge and skills acquired through experience and education to be more productive. They make connections between abstract concepts with real-world applications, and they make correct insights about when it is appropriate to apply the use of an academic skill in a workplace situation.
TECH.8.1.2.A.CS1	Understand and use technology systems.
TECH.8.1.2.A.CS2	Select and use applications effectively and productively.

Student Learning Objectives

Students will learn to...

- identify and understand that the zero property of addition tells us that 0 added to any number results in a sum that is the original quantity.
- recognize that order of the addends does not change hte sum (commutative property).
- define addition as a joining or part-part-whole process.
- define subtraction as a seperate or compare process.

Essential Questions

- When you add 0, what happens to the sum?
- Does the order of the addends affect the sum?
- If you subtract 0 from a number, will it change the original number?
- What is the answer when you subtract a number from itself?

Enduring Understandings

Students will understand that...

- the zero property of addition tells us that 0 added to any number results in a sum that is the original quantity.

Application

Students will be able to independently use their learning to…

- solve math probelms that involve adding 0.

Skills

Students will be skilled at...

- Understanding adding 0 facts