

## G3 Playlist: Fluently Adding and Subtracting Within 1000

Aligns with *CCSS.MATH.CONTENT.3.NBT.A.2*: Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.

### Related Standards

- *CCSS.MATH.CONTENT.2.NBT.B.5*: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.
- *CCSS.MATH.CONTENT.2.NBT.B.7*: Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.
- *CCSS.MATH.CONTENT.2.NBT.B.8*: Mentally add 10 or 100 to a given number 100-900, and mentally subtract 10 or 100 from a given number 100-900.
- *CCSS.MATH.CONTENT.2.NBT.B.9*: Explain why addition and subtraction strategies work, using place value and the properties of operations.<sup>1</sup>
- *CCSS.MATH.CONTENT.4.NBT.B.4*: Fluently add and subtract multi-digit whole numbers using the standard algorithm.



## Objectives

In this playlist, you will learn and practice the following skills:

- Use place value to solve addition and subtraction problems.
- Use properties of operations to solve addition and subtraction problems.
- Use addition to solve a subtraction problem.
- Use subtraction to solve an addition problem.

Let's get started!

## Key Terms

- An **inverse operation** is an operation that does the opposite of the original.
- A **fact family** is a group of numbers that are related through different operations.
- To **decompose** a number means to break it into parts.
- A **property** is a math rule.
- An **operation** is a math action, such as adding, subtracting, multiplying, or dividing.
- To do something **fluently** means to do it quickly by memory.
- **Place value** is the value of where the digit is in the number.

