

## **Lesson 11: Analyze Subtraction Algorithms**

• Let's think about subtraction algorithms in more detail.

## Warm-up: Number Talk: Subtract within 1,000

Find the value of each expression mentally.

- 400 200
- 450 **–** 200
- 450 205
- 450 215



## **11.1: Compare Two Subtraction Algorithms**

1. The first steps of two algorithms are shown.

Algorithm A, step 1

Algorithm B, step 1

How are the steps different?

2. Use each algorithm to find the value of 824 - 541.



## 11.2: Use an Algorithm?

Noah wanted to find the value of 301 - 167 and wrote:

Elena said that we can't subtract this way because we would need more ones to subtract 7 ones, but there's a zero in the tens place of 301.

<ol> <li>Do you agree with</li> </ol>	Elena's statement?	Explain your reasoning.	

2	. Show how you would use an algori	thm (either	Noah's or	another	algorithm) to
	find the difference between 301 an	nd 167.			