# LARGER NUMBER ADDITION STRATEGIES

## Ways to Add Numbers
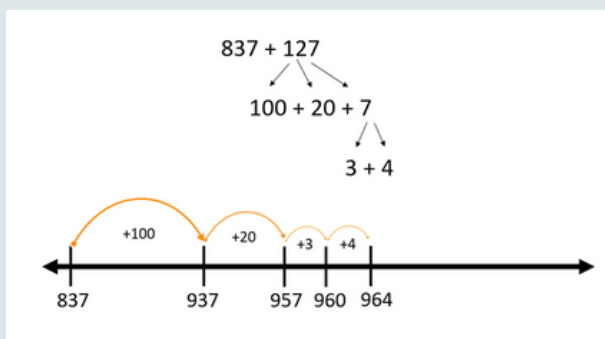
### Place Value Strategy

$127 = 100 + 20 + 7$
$+ \ 837 = 800 + 30 + 7$
$\phantom{+ \ 837 = }900 + 50 + 14$

$900 + 50 + 14$
$900 + 50 + 10 + 4$

$127 + 837 = 964$

### Using a Model

$837 + 127$
$100 + 20 + 7$
$3 + 4$

$+100 \quad +20 \quad +3 \quad +4$

$837 \qquad 937 \qquad 957 \ 960 \ 964$

### Number Relationships

$127 + 837$
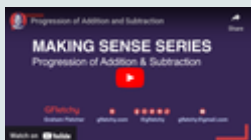$(127 + 3) + (837 - 3)$
$130 + 834 = 964$

## Flexible Thinking

Adding whole numbers can be approached in a variety of ways. The more flexibly students are able to think, the more capable they are of problem solving throughout their lives.

Flexible methods of adding whole numbers in a variety of ways are useful for understanding number relationships before moving to the standard algorithm.

## THE PROGRESSION OF ADDITION AND SUBTRACTION

This video illustrates the progression of addition and subtraction from Kindergarten to the end of 4th grade.

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MAKING SENSE SERIES
Progression of Addition & Subtraction

## Resources

Break Apart, online game for students to practice flexibly with adding numbers.

Strategies for Adding and Subtracting Larger Numbers, Scholastic Article.