

LARGER NUMBER ADDITION STRATEGIES

Ways to Add Numbers

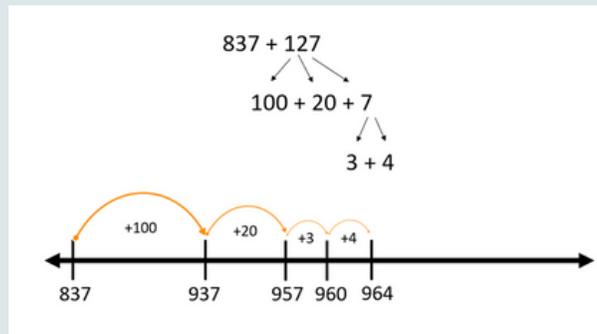
Place Value Strategy

$$\begin{array}{r} 127 = 100 + 20 + 7 \\ + 837 = 800 + 30 + 7 \\ \hline 900 + 50 + 14 \end{array}$$

$$\begin{array}{r} 900 + 50 + 14 \\ \swarrow \searrow \\ 900 + 50 + 10 + 4 \end{array}$$

$$127 + 837 = 964$$

Using a Model



Number Relationships

$$\begin{array}{l} 127 + 837 \\ (127 + 3) + (837 - 3) \\ 130 + 834 = 964 \end{array}$$

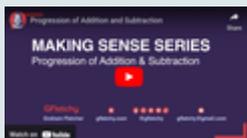
Flexible Thinking

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.



Resources

[Break Apart](#), online game for students to practice flexibly with adding numbers.

[Strategies for Adding and Subtracting Larger Numbers](#), Scholastic Article.