

Three-Digit Addition: Part 1

Add multi-digit numbers using different strategies.

To solve problems using **expanded notation addition**, change all the numbers to expanded notation, line them up horizontally, add each column, and then add the sums.

To solve problems using **standard algorithm addition**, stack and line up the addends based on their place value, then add up one place value at a time working from right to left. Don't forget to carryover to regroup the values.

Equation

$$376 + 475$$

Expanded Notation

$$\begin{array}{r}
 300 + 70 + 6 \qquad 700 \\
 400 + 70 + 5 \qquad 140 \\
 \hline
 700 + 140 + 11 \qquad + 11 \\
 \hline
 851
 \end{array}$$

Standard Algorithm

$$\begin{array}{r}
 11 \\
 376 \\
 + 475 \\
 \hline
 851
 \end{array}$$

Directions: Solve the equations using both Expanded Notation and Standard Algorithm addition.

<u>Equation</u>	<u>Expanded Notation</u>	<u>Standard Algorithm</u>
1. $235 + 682$		
2. $607 + 195$		
3. $376 + 475$		

Name: _____

Date: _____

Three-Digit Addition: Part 1

Directions: Solve the equations using both Expanded Notation and Standard Algorithm addition.

<u>Equation</u> 4. $654 + 271$	<u>Expanded Notation</u>	<u>Standard Algorithm</u>
<u>Equation</u> 5. $223 + 189$	<u>Expanded Notation</u>	<u>Standard Algorithm</u>
<u>Equation</u> 6. $387 + 225$	<u>Expanded Notation</u>	<u>Standard Algorithm</u>
<u>Equation</u> 7. $471 + 129$	<u>Expanded Notation</u>	<u>Standard Algorithm</u>