Unit 3, Lesson 4

Introduction to Addition Algorithms

Let's learn new ways to add.

Warm-up

Which Three Go Together: 247

Which 3 go together?

A. $200 + 30 + 17$

B. 247

C. $200 + 47 + 10$

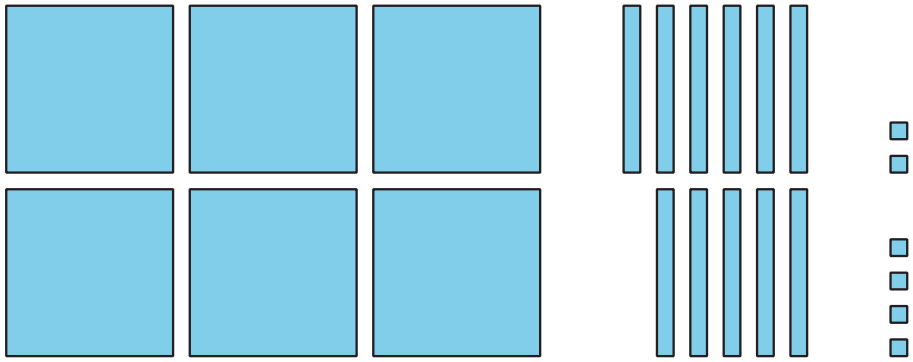
D. $100 + 140 + 7$

Activity 1

What Is an Algorithm?

Three students found the value of $362 + 354$. Their work is shown. Explain how each method works.

1. Tyler's drawing

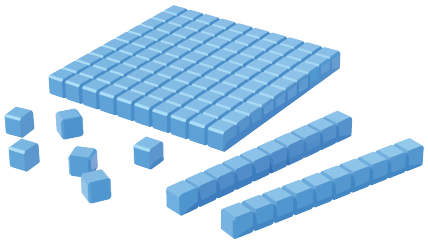


2. Lin's method

$$\begin{array}{rrrrrr} & 300 & + & 60 & + & 2 \\ + & 300 & + & 50 & + & 4 \\ \hline & 600 & + & 110 & + & 6 \end{array}$$

3. Han's method

$$\begin{array}{rrrr} & 3 & 6 & 2 \\ + & 3 & 5 & 4 \\ \hline & & & 6 \\ & 1 & 1 & 0 \\ + & 6 & 0 & 0 \\ \hline & 7 & 1 & 6 \end{array}$$



Activity 2

Try an Algorithm

Try using an algorithm to find the value of each sum. Show your thinking. Organize it so it can be followed by others.

1. $475 + 231$

2. $136 + 389$

3. $670 + 257$