

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. $200 + 47 + 10$

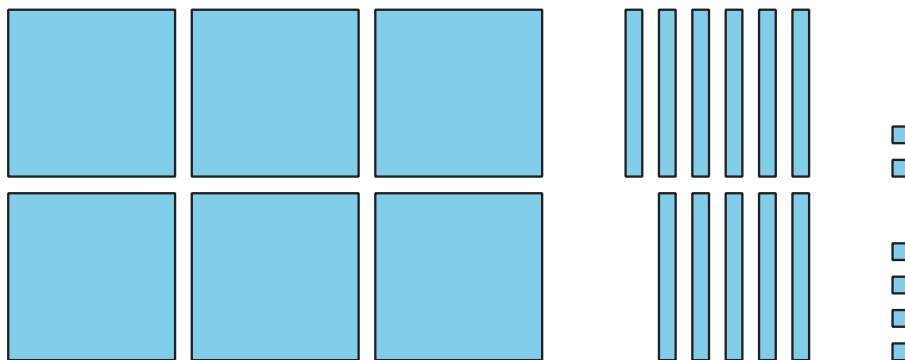
D. $100 + 140 + 7$

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

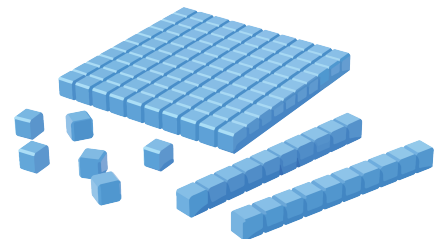


2. Lin's method

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

3. Han's method

$$\begin{array}{r} 362 \\ + 354 \\ \hline 6 \\ 110 \\ + 600 \\ \hline 716 \end{array}$$



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. $670 + 257$

