

Lesson 4: Introduction to Addition Algorithms

- Let's learn new ways to add.

Warm-up: Which One Doesn't Belong: 247

Which one doesn't belong?

A. $200 + 30 + 17$

B. 247

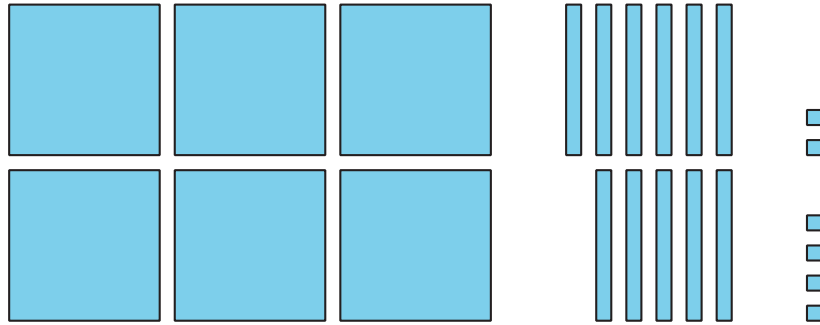
C. $200 + 47 + 10$

D. $100 + 140 + 7$

4.1: 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

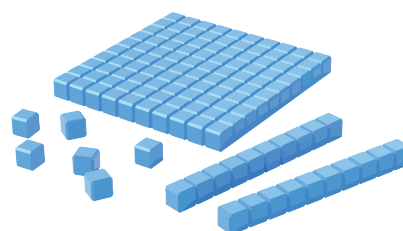


2. Lin's method

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

3. Han's method

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



4.2: 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. $670 + 257$