



# 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.  $200 + 47 + 10$

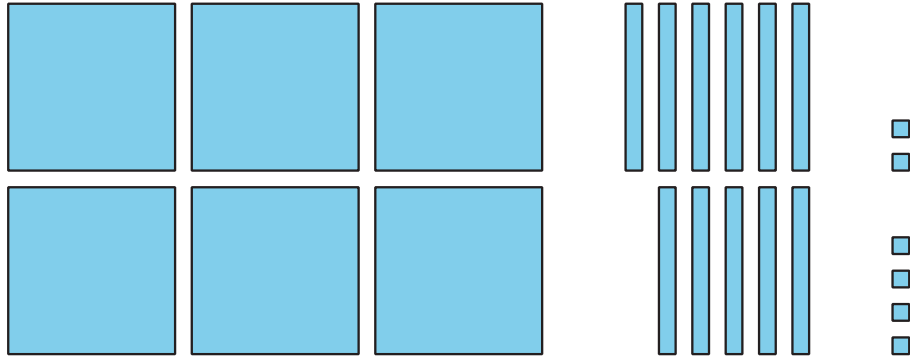
D.  $100 + 140 + 7$

## 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



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## 2. Lin's method

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

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## 3. Han's method

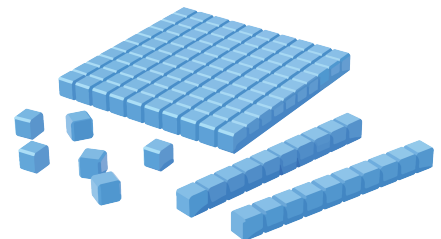
$$\begin{array}{r} 362 \\ + 354 \\ \hline 6 \\ 110 \\ + 600 \\ \hline 716 \end{array}$$

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## 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.  $670 + 257$

