

Grade 3 Unit 3

Lesson 4

CC BY 2021 Illustrative Mathematics®

Unit 3 Lesson 4: Introduction to Addition Algorithms

WU Which One Doesn't Belong: 247 (Warm up)

Student Task Statement

Which one doesn't belong?

A. $200 + 30 + 17$

B. 247

C. $200 + 47 + 10$

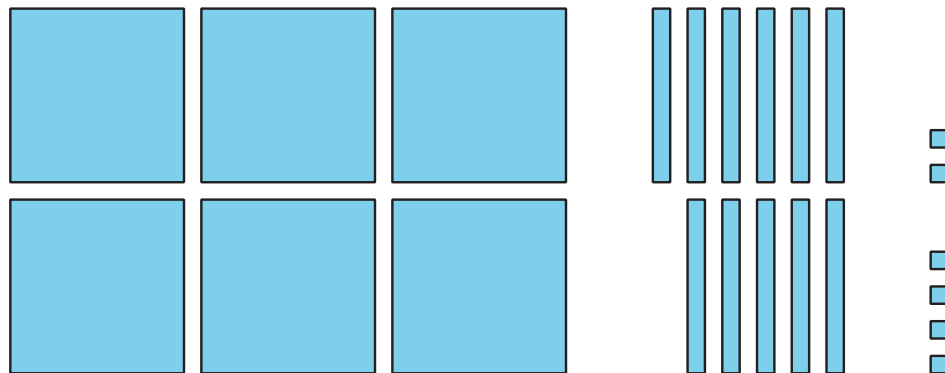
D. $100 + 140 + 7$

1 What is an Algorithm?

Student Task Statement

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

1. Tyler's drawing

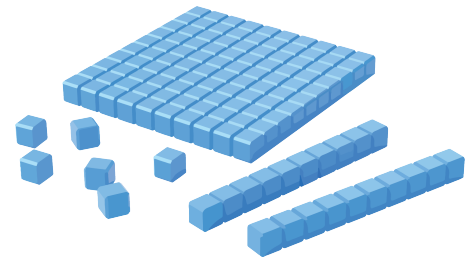


2. Lin's method

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

3. Han's method

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



2 Try an Algorithm

Student Task Statement

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. $670 + 257$

Activity Synthesis

$$\begin{array}{r}
 670 \\
 + 257 \\
 \hline
 927
 \end{array}$$