Illustrative Mathematics

Unit 5 Lesson 5: Expanded Form of Numbers

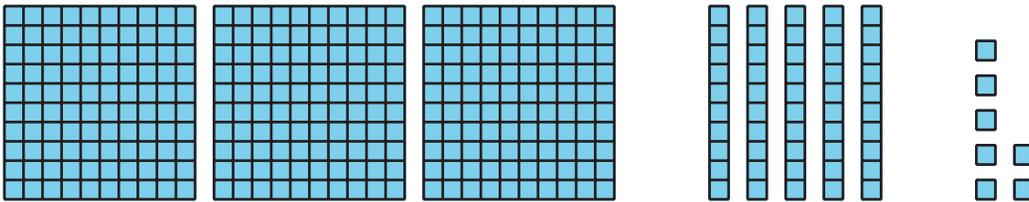## WU True or False: Value of Digits (Warm up)

Student Task Statement

Decide if each statement is true or false. Be prepared to explain your reasoning.

- $800 + 90 + 7 = 897$
- $156 = 50 + 100 + 6$
- $407 = 70 + 400$
- $632 = 22 + 10 + 600$

1 Expressions and Three-digit Numbers

Student Task Statement

1. Andre has 3 hundreds. Tyler has 5 tens. Mai has 7 ones. They want to represent the amount they have using an equation.
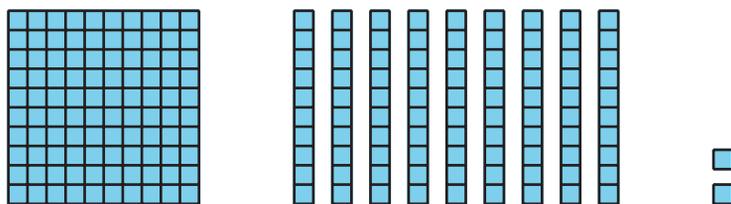

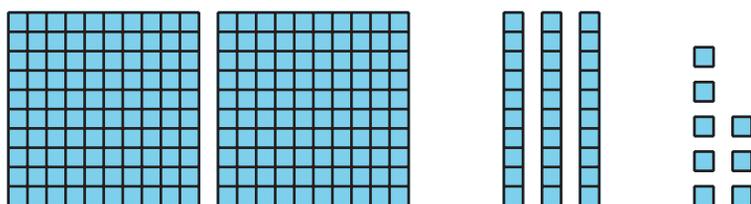Write an expression to represent the sum of their values.

_____ + _____ + _____

Write the total value as a three-digit number:

_____

Write each number as the sum of hundreds, tens, and ones, and as a three-digit number.
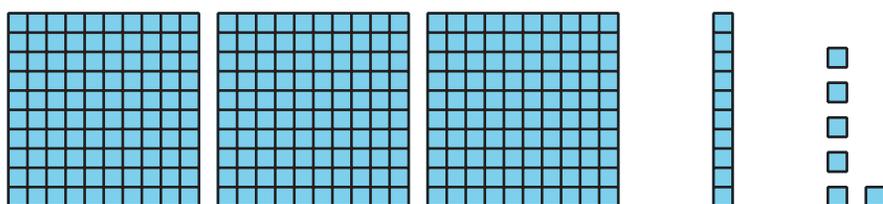
2. Expanded form: _____
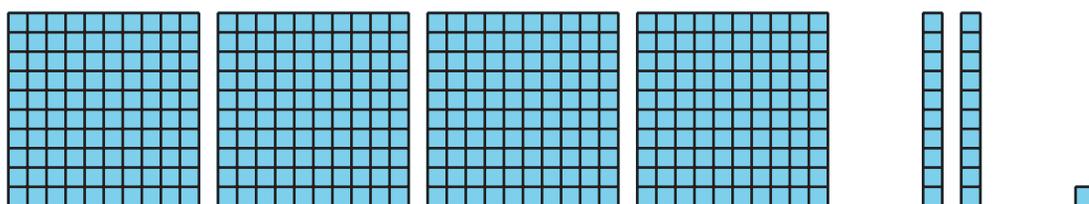
   Three-digit number: _____

3. Expanded form: _____

   Three-digit number: _____

4. Expanded form: _____

   Three-digit number: _____

5. Expanded form: _____

   Three-digit number: _____

2 Make It and Expand It

Student Task Statement

1. Roll the number cubes.

   Make the largest number possible.

   Write it as a three-digit number. _____

   Write it in expanded form.

2. Roll the number cubes.

   Make the smallest number possible.

   Write it as a three-digit number. _____

   Write it in expanded form.

3. Roll the number cubes.

   Using the same digits, make a number different from your partner's.

   Write it in expanded form.

   Write it as a three-digit number. _____