## Lesson 5: Expanded Form of Numbers

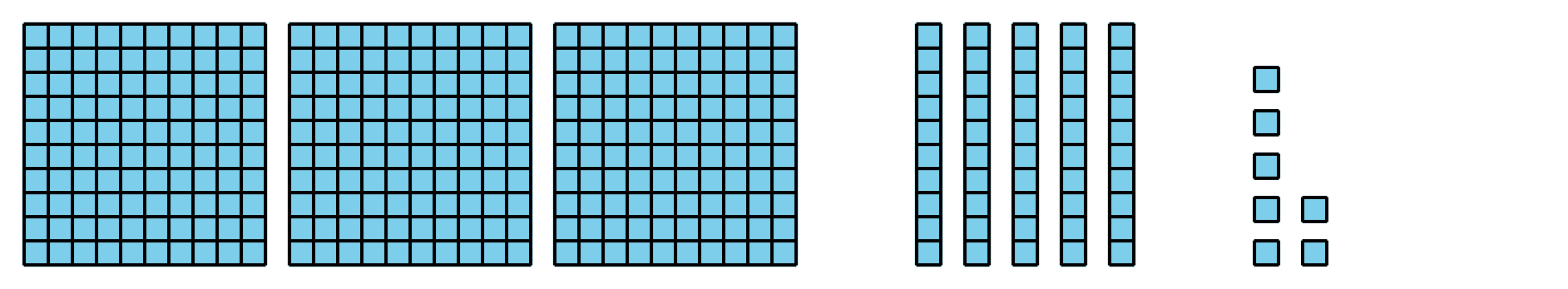
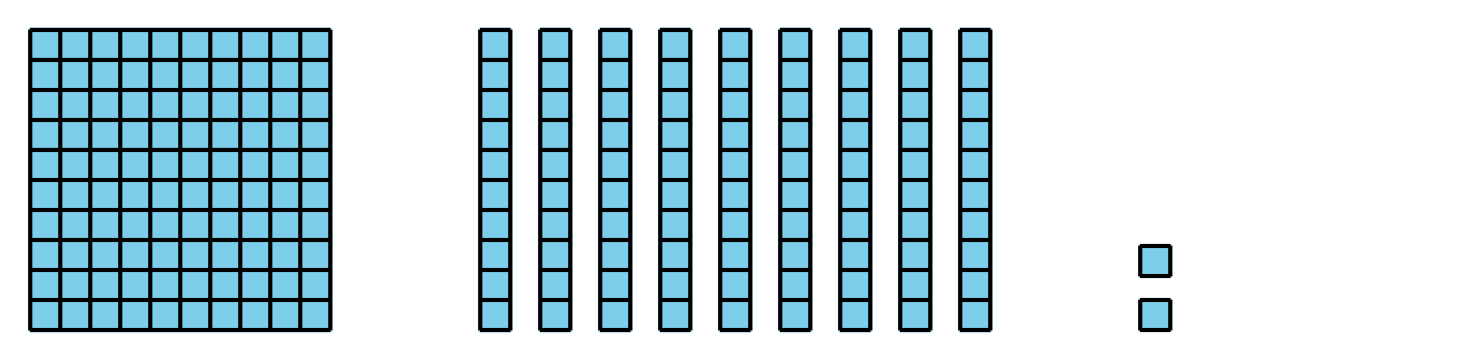
* Let’s represent three-digit numbers as a sum of the value of each digit.

### Warm-up: True or False: Value of Digits

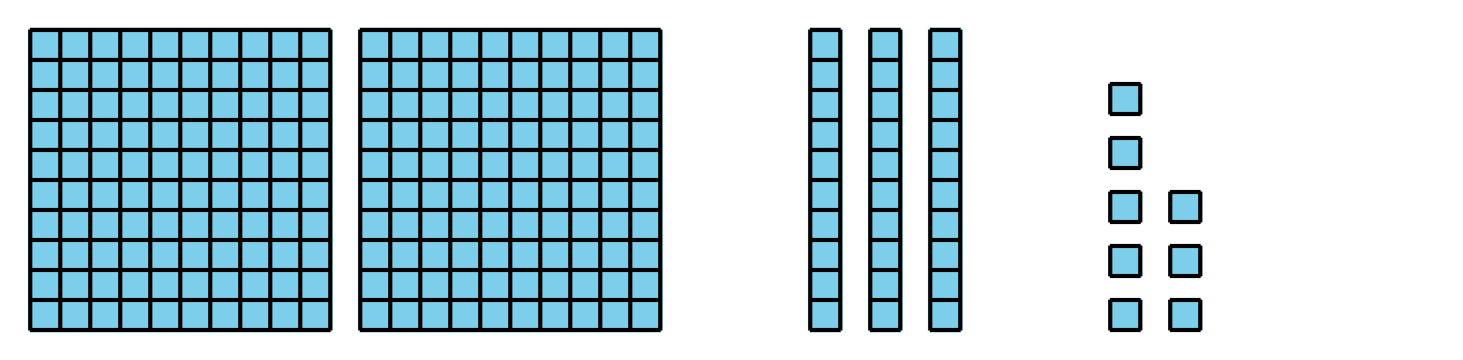
Decide if each statement is true or false. Be prepared to explain your reasoning.

### 5.1: Expressions and Three-digit Numbers

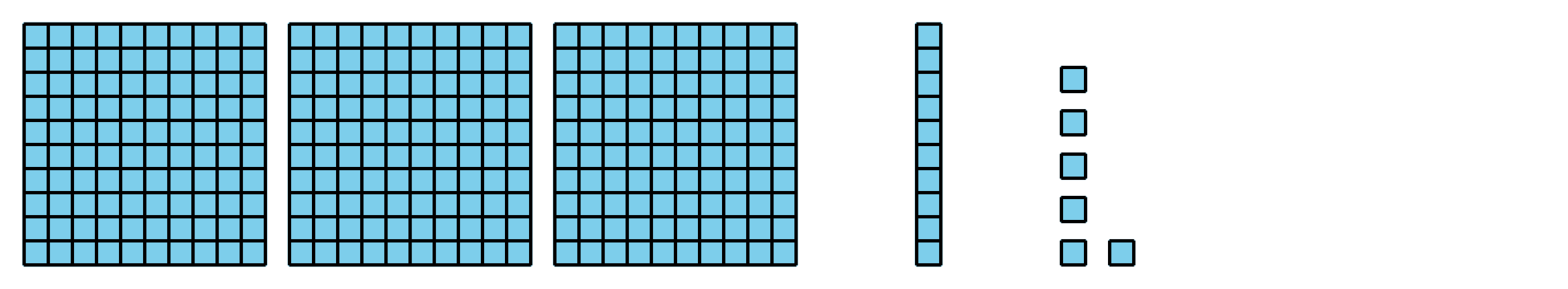
1. Andre has 3 hundreds. Tyler has 5 tens. Mai has 7 ones. They want to represent the amount they have using an equation.

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* 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.
* 

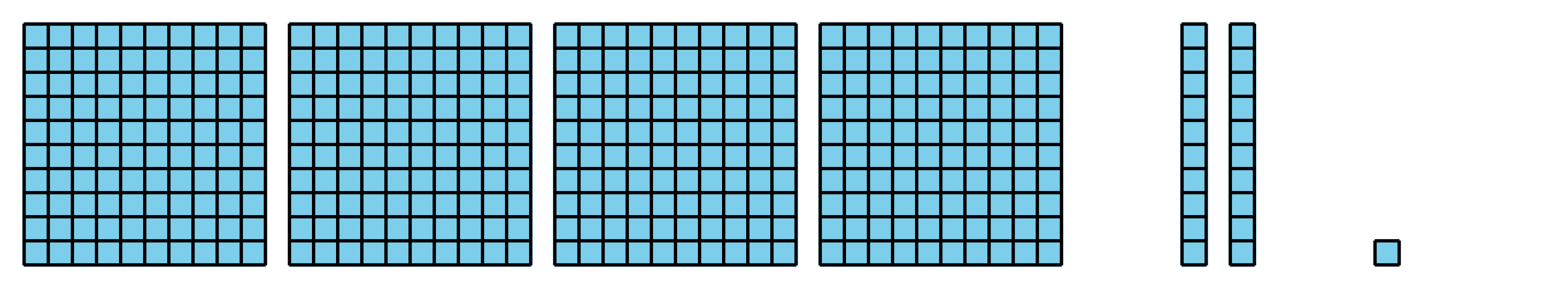
1. Expanded form: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Three-digit number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* 

1. Expanded form: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Three-digit number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* 

1. Expanded form: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Three-digit number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* 

1. Expanded form: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Three-digit number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

### 5.2: Make It and Expand It

1. Roll the number cubes.

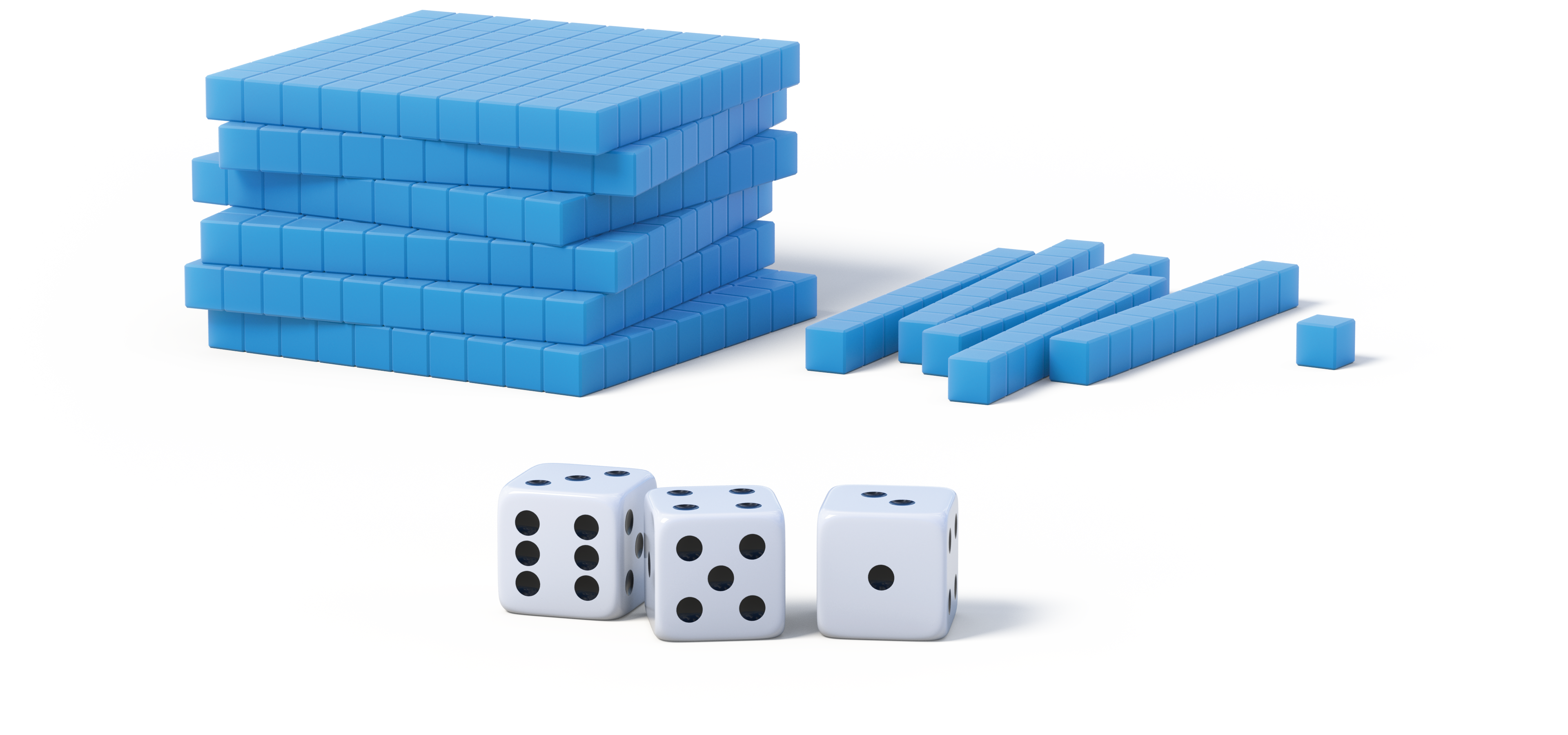
* Make the largest number possible.
* Write it as a three-digit number. \_\_\_\_\_\_\_\_\_\_\_
* Write it in expanded form.

1. Roll the number cubes.

* Make the smallest number possible.
* Write it as a three-digit number. \_\_\_\_\_\_\_\_\_\_\_
* Write it in expanded form.

1. 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. \_\_\_\_\_\_\_\_\_\_\_





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