

# Lesson 1: Place Value Patterns

- Let's observe place value patterns.

## Warm-up: Notice and Wonder: Same Digits

What do you notice? What do you wonder?

8,200

820

82

8.2

0.82

0.082

## 1.1: Many True Equations

Use the numbers and symbols to write as many different true equations as you can.  
You may use each number and symbol more than once.

600	0.06	100
60	$\times$	10
6	$\div$	0.1
0.6	=	0.01

## 1.2: Describe Multiplicative Relationships

600  
60  
6  
0.6  
0.06

1. Explain or show how the value of the 6 changes in the different numbers.

2. Which numbers would come before 600 if the list continued? Explain your reasoning.

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3. Which numbers would come after 0.06 if the list continued? Explain your reasoning.

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