

Name: _____

Lesson Guide

This lesson guide accompanies the following video lesson:

Multiplying Using Place Value Patterns

How can we multiply whole numbers and multiples of 10 using place value patterns and the associative property?

> Associative Property Review

$$5 \cdot 2 \cdot 3 =$$

$$5 \cdot 3 \cdot 2 =$$

$$2 \cdot 3 \cdot 5 =$$

> Exploring Place Value Patterns

$$30 =$$

$$300 =$$

$$3000 =$$

➤ **Example 1**

$$17 \times 20$$

➤ **Example 2**

$$40 \times 5$$

➤ **Example 3**

$$40 \times 50$$

➤ **Example 4**

$$40 \times 500$$