## Lesson 1: Find the Largest Product

* Let’s look for patterns when we multiply multi-digit numbers.

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

What do you notice? What do you wonder?





### 1.1: Talk About it

1. Consider the statement below. Decide whether you agree, disagree, or are unsure. Be prepared to explain your reasoning.

|  | * agree
 | * disagree
 | * unsure
 |
| --- | --- | --- | --- |
| * Given the digits 7, 5, and 2, the largest product you can make is $75×2$ because 75 is the largest number you can make.
 |  |  |  |
| * After round 1: Given the digits 7, 5, and 2, the largest product you can make is $75×2$ because 75 is the largest number you can make.
 |  |  |  |

* Write about something new that you learned from your group or something you still wonder about:
1. Use the digits 6, 3, and 1 to make the largest possible product. Be prepared to explain your reasoning.

### 1.2: More Digits

1. Use the digits 7, 3, 2, and 5 to make the greatest product.
2. Explain or show how you know you have made the greatest product.



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