Unit 4, Lesson 7

Build Multiplication Fluency

Let's multiply multi-digit whole numbers, using the standard algorithm.

Warm-up

Notice and Wonder: Same Solution

What do you notice? What do you wonder?

$$
\begin{array}{rrrrrr}
 & & & & 1 & \\
 & & & 1 & 5 & \\
 & & & 4 & 1 & 7 \\
 & & \times & & 2 & 8 \\
\hline
 & & 3, & 3 & 3 & 6 \\
+ & & 8, & 3 & 4 & 0 \\
\hline
 & 1 & 1, & 6 & 7 & 6
\end{array}
\qquad\qquad
\begin{array}{rrrrrr}
 & & & & 3 & \\
 & & & & 5 & \\
 & & & & 2 & 8 \\
 & & \times & 4 & 1 & 7 \\
\hline
 & & & 1 & & \\
 & & & 1 & 9 & 6 \\
 & & & 2 & 8 & 0 \\
+ & 1 & 1, & 2 & 0 & 0 \\
\hline
 & 1 & 1, & 6 & 7 & 6
\end{array}
$$

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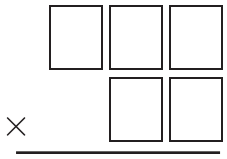
Activity 1

Greatest Product



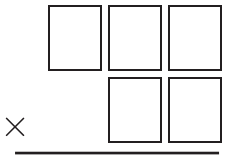
Directions:

- Each partner uses their own handout.
- Partner A: Choose a number card. Write the number in one of the blanks for Round 1.
- Partner B: Choose a number card. Write the number in one of the blanks for Round 1.
- Repeat until each partner has a three-digit-number-by-two-digit-number multiplication problem.
- Find the product.
- The partner with the greater product wins a point.
- The partner with more points after 5 rounds wins the game.

Activity 2

Targeted Products

1. Use the digits 3, 5, 6, 8, and 9 to make a product with a value that is close to 50,000.



2. Use the digits 3, 5, 6, 8, and 9 to make a product with a value that is close to 20,000.

