Unit 8, Lesson 2

More Multiplication

Let's practice using the multiplication algorithm.

Warm-up

Estimation Exploration: Large Product

$9{,}999 \times 896$

Record an estimate that is:

too low	about right	too high

Activity 1

Kiran's Work

1. Find the value of the product. Explain or show your reasoning.

$$\begin{array}{r} 650 \\ \times \quad 27 \\ \hline \end{array}$$

2. Here is how Kiran found the product. Is his answer reasonable? Explain your reasoning.

$$\begin{array}{r} {\scriptstyle 1\ \ \ } \\ {\scriptstyle 3\ \ \ } \\ 650 \\ \times \quad 27 \\ \hline 4,550 \\ +\ 1,300 \\ \hline 5,850 \end{array}$$

3. What parts of the work do you agree with?

4. What parts of the work do you disagree with?

5. Look at the value you found for 650×27. Is there anything you want to revise? Explain or show your reasoning.

Activity 2

Zero the Hero

Find the value of each product.

1.

$$\begin{array}{r} 260 \\ \times\ 35 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 2,600 \\ \times\ 35 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 670 \\ \times\ 89 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 6,700 \\ \times\ 89 \\ \hline \end{array}$$