1. Solve the following expressions using the standard algorithm, the partial products method, and the area model.

a. $302 \times 8$

\[
\begin{array}{c}
\phantom{+}302 \\
\times \phantom{0}8 \\
\hline
\phantom{+}14 \\
\phantom{+}2,416 \\
\hline
2,416 \\
\end{array}
\]

\[
8 \times 300 + 8 \times 2
\]

b. $216 \times 5$

\[
\begin{array}{c}
\phantom{+}216 \\
\times \phantom{0}5 \\
\hline
\phantom{+}10 \\
\phantom{+}108 \\
\phantom{+}1,080 \\
\hline
1,096 \\
\end{array}
\]

\[
5(\_ + \_ + \_)
\]

\[
(\_ \times \_ ) + (\_ \times \_ ) + (\_ \times \_ )
\]

c. $593 \times 9$

\[
\begin{array}{c}
\phantom{+}593 \\
\times \phantom{0}9 \\
\hline
\phantom{+}27 \\
\phantom{+}537 \\
\phantom{+}4,500 \\
\hline
5,337 \\
\end{array}
\]

\[
9(500 + 90 + 3)
\]

\[
(9 \times 500) + (9 \times 90) + (9 \times 3)
\]

Lesson 11: Connect the area model and the partial products method to the standard algorithm.
2. Solve using the partial products method.

On Monday, 475 people visited the museum. On Saturday, there were 4 times as many visitors as there were on Monday. How many people visited the museum on Saturday?

\[ \begin{array}{c}
\text{M} & \underline{475} \\
\text{S} & 1,900 \text{ people visited on Saturday.} \\
\end{array} \]

\[ \frac{475}{4} \times \frac{4}{20} = \frac{280}{280} + \frac{1,600}{1,900} \]

Solve using the standard algorithm, the area model, the distributive property, or the partial products method.

3. Model with a tape diagram and solve.

6 times as much as 384

\[ \begin{array}{c}
\underline{384} \\
52 \times 6 \quad 384 \\
\underline{2,304} \\
\end{array} \]

4. \[ 6,253 \times 3 \]

5. 7 times as many as 3,073

6. A cafeteria makes 2,516 pounds of white rice and 608 pounds of brown rice every month. After 6 months, how many pounds of rice does the cafeteria make?

\[ \begin{array}{c}
\text{W} & \underline{2,516} \\
\text{B} & \underline{608} \\
\text{?} \text{ pounds of rice are made in 6 months} \\
\end{array} \]

\[ \frac{2,516}{6} + \frac{608}{6} = \frac{3,124}{6} \]

\[ 18,744 \text{ pounds of rice are made in 6 months} \]