

Two fractions are equivalent if, when written in lowest terms, they are equal. For example:

$$\frac{2}{3} \text{ and } \frac{4}{6} \text{ are equivalent.}$$

Lesson: Long Multiplication:

①
$$\begin{array}{r} 724 \\ \times 36 \\ \hline \end{array}$$
 $4 \times 6 = 24$

②
$$\begin{array}{r} 724 \\ \times 36 \\ \hline 4394 \\ 21720 \\ \hline \end{array}$$
 $2 \times 6 + 2 = 14$

③
$$\begin{array}{r} 724 \\ \times 36 \\ \hline 4394 \\ 21720 \\ \hline \end{array}$$
 $7 \times 6 + 1 = 43$ place holder

④
$$\begin{array}{r} 724 \\ \times 36 \\ \hline 4394 \\ 21720 \\ \hline \end{array}$$
 $4 \times 3 = 12$

⑤
$$\begin{array}{r} 724 \\ \times 36 \\ \hline 4394 \\ 21720 \\ \hline \end{array}$$
 $2 \times 3 + 1 = 7$

⑥
$$\begin{array}{r} 724 \\ \times 36 \\ \hline 4394 \\ 21720 \\ \hline \end{array}$$
 $7 \times 3 = 21$

⑦
$$\begin{array}{r} 724 \\ \times 36 \\ \hline 4394 \\ 21720 \\ \hline 26064 \end{array}$$
 add

Lesson: Long Division

①
$$\begin{array}{r} 7 \overline{) 229} \\ \hline \end{array}$$
 does 7 go into 2? no

②
$$\begin{array}{r} 3 \\ 7 \overline{) 229} \\ \hline \end{array}$$
 7 into 22? yes. 3 times.

③
$$\begin{array}{r} 3 \\ 7 \overline{) 229} \\ \hline 21 \\ \hline 19 \\ \hline \end{array}$$
 $3 \times 7 = 21$ $22 - 21 = 1$