

# Multiplication is Repeated Addition

## Multiplying Whole Numbers

$$\begin{array}{r} 151 \\ 151 \\ 151 \\ 151 \\ 151 \\ 151 \\ 151 \\ 151 \\ 151 \\ 151 \\ 151 \\ 151 \\ + 151 \\ \hline 1,812 \end{array}$$

12 times

$$\begin{array}{r} \overset{1}{151} \\ \times 12 \\ \hline 302 \\ + 1510 \\ \hline 1,812 \end{array}$$

## Multiplying Decimals

$$\begin{array}{r} 1.09 \\ 1.09 \\ 1.09 \\ 1.09 \\ 1.09 \\ 1.09 \\ 1.09 \\ + 1.09 \\ \hline 7.63 \end{array}$$

7 times

$$\begin{array}{r} \overset{6}{1.09} \\ \times 7 \\ \hline 7.63 \end{array}$$

## Multiplying Fractions

$$\begin{array}{r} 3/4 \\ 3/4 \\ 3/4 \\ 3/4 \\ 3/4 \\ 3/4 \\ 3/4 \\ 3/4 \\ 3/4 \\ 3/4 \\ 3/4 \\ 3/4 \\ 3/4 \\ 3/4 \\ + 3/4 \\ \hline 42/4 \end{array}$$

14 times  $3/4 \times 14 = 42/4 = 10\frac{1}{2}$

