

### The Distributive Property

$$123 \times 645 = 123 \times (600 + 40 + 5)$$

$$123 \times 600 = 73,800$$

$$123 \times 40 = 4920$$

$$123 \times 5 = 615$$

Rewrite into columns

$$\begin{array}{r} 123 \\ \times 645 \\ \hline 615 \\ 4920 \\ + 73800 \\ \hline 79,335 \end{array}$$

Observe the zeros