

NAME \_\_\_\_\_

DATE \_\_\_\_\_



## Moving Toward the Standard Algorithm

How does the standard multiplication algorithm work?

- It goes from bottom to top.
- It goes from right to left.
- It starts with the 1s.

**1** Practice working from bottom to top, right to left.

Estimate:	Fill in the area sketch, but this time, start in the bottom right corner.	List the partial products and add.
$\begin{array}{r} 35 \\ \times 23 \\ \hline \end{array}$		$\begin{array}{r} 35 \\ \times 23 \\ \hline \end{array}$ <p> <math>3 \times 5 = \underline{\hspace{2cm}}</math>  <math>3 \times 30 = \underline{\hspace{2cm}}</math>  <math>20 \times 5 = \underline{\hspace{2cm}}</math>  <math>20 \times 30 = \underline{\hspace{2cm}}</math>                      Total = <math>\underline{\hspace{2cm}}</math> </p>

**2** Practice working from bottom to top, right to left, again.

Estimate:	Fill in the area sketch, but this time, start in the bottom right corner.	List the partial products and add.
$\begin{array}{r} 27 \\ \times 25 \\ \hline \end{array}$		$\begin{array}{r} 27 \\ \times 25 \\ \hline \end{array}$ <p> <math>5 \times 7 = \underline{\hspace{2cm}}</math>  <math>5 \times 20 = \underline{\hspace{2cm}}</math>  <math>20 \times 7 = \underline{\hspace{2cm}}</math>  <math>20 \times 20 = \underline{\hspace{2cm}}</math>                      Total = <math>\underline{\hspace{2cm}}</math> </p>