Name Date Time

HOME LINK 9•4

The Partial-Products Algorithm

Family Note Today the class began working with our first formal procedure for multiplication—the partial-products algorithm. Encourage your child to explain this method to you.

Please return this Home Link to school tomorrow.

Use the partial-products algorithm to solve these problems:

Example

$$\begin{array}{rr} & 46 \\ \times & 7 \\ \hline 7\ [40s]\rightarrow & 280 \\ 7\ [6s]\rightarrow & +\ 42 \\ \hline 280 + 42\rightarrow & 322 \end{array}$$

1.

$$\begin{array}{r} 31 \\ \times\ 3 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 75 \\ \times\ 5 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 85 \\ \times\ 9 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 43 \\ \times\ 6 \\ \hline \end{array}$$

5.

$$\begin{array}{r} 162 \\ \times\ \ 7 \\ \hline \end{array}$$