

**The Lazy Man's Arithmetic** E. L. Lady

A naturally born bone lazy man is one who is willing to do an hour's thinking in order to avoid five minutes working. Some people are this way about arithmetic. Below are some problems and the Lazy Man's way of doing them. Explain why the method works in each case.

PROBLEM	METHOD	PROBLEM	METHOD
$3275 \times 9$	$  \begin{array}{r}  32750 \\  -3275 \\  \hline  29475  \end{array}  $	$187 \times 5$	$1870 \div 2 = 935$
$481 \times 19$	$  \begin{array}{r}  9620 \\  -481 \\  \hline  9139  \end{array}  $	$41^2$	$  \begin{array}{r}  1600 \\  80 \\  1 \\  \hline  1681  \end{array}  $
$431 \times 25$	$43100 \div 4 = 10775$	$51^2$	$  \begin{array}{r}  2500 \\  100 \\  1 \\  \hline  2601  \end{array}  $
$325 \times 99$	$  \begin{array}{r}  32500 \\  -325 \\  \hline  32175  \end{array}  $	$49^2$	$  \begin{array}{r}  2500 \\  -100 \\  +1 \\  \hline  2401  \end{array}  $

PROBLEM	METHOD	PROBLEM	METHOD
$71^2$	$\begin{array}{r} 4900 \\ 140 \\ 1 \\ \hline 5041 \end{array}$	$19^2$	$\begin{array}{r} 400 \\ -40 \\ +1 \\ \hline 361 \end{array}$
$62^2$	$\begin{array}{r} 3600 \\ 240 \\ 4 \\ \hline 3844 \end{array}$	$68^2$	$\begin{array}{r} 4900 \\ -280 \\ +4 \\ \hline 4624 \end{array}$
$79^2$	$\begin{array}{r} 6400 \\ -160 \\ +1 \\ \hline 6241 \end{array}$	$75^2 - 74^2$	$\begin{array}{r} 75 \\ 74 \\ \hline 149 \end{array}$
$44^2 - 43^2$	$\begin{array}{r} 44 \\ 43 \\ \hline 87 \end{array}$	$57^2 - 51^2$	$\begin{array}{r} 57 \\ 51 \\ \hline 108 \times 6 = 648 \end{array}$
$87^2 - 84^2$	$\begin{array}{r} 87 \\ 84 \\ \hline 171 \times 3 = 513 \end{array}$		