Name _____ Date _____

Multiplication Strategies Menu

Breaking into tens and ones

Using Expanded Form

$$\begin{array}{r} 23 \\ \times\ 6 \\ \hline \end{array} = \begin{array}{r} 20 + 3 \\ \times\ 6 \\ \hline 120 + 18 = 138 \end{array}$$

or

	20	3
6	6 × 20 = 120	6 × 3 = 18

$$\begin{array}{r} 120 \\ +\ 18 \\ \hline 138 \end{array}$$

Using All-Partials

$$\begin{array}{r} 23 \\ \times\ 6 \\ \hline 18 \\ +\ 120 \\ \hline 138 \end{array} \quad \textit{or} \quad \begin{array}{r} 23 \\ \times\ 6 \\ \hline 120 \\ +\ 18 \\ \hline 138 \end{array}$$

Compact Method

$$\begin{array}{r} {\scriptstyle 1}\ \\ 23 \\ \times\ 6 \\ \hline 138 \end{array}$$

Other ways to use simpler problems

Thinking About Money

27 × 4

$27 \times 4 = 25 \times 4 + 2 \times 4$
$= 100 + 8$
$= 108$

Using Simpler Numbers

48 × 6

I know 48 + 2 = 50.
So, 50 X 6 = 300 and 2 x 6 = 12.
Then I subtracted 300 – 12 = 288.

Another Strategy: _____