

# Multiplication

Solve:  $567 \times 23 = ?$

Grid

	500	60	7
20	10 000	1200	140
3	1500	180	21

$$\begin{array}{r}
 10\ 000 \\
 1\ 500 \\
 1\ 200 \\
 180 \\
 140 \\
 \underline{21} \\
 13\ 041
 \end{array}$$

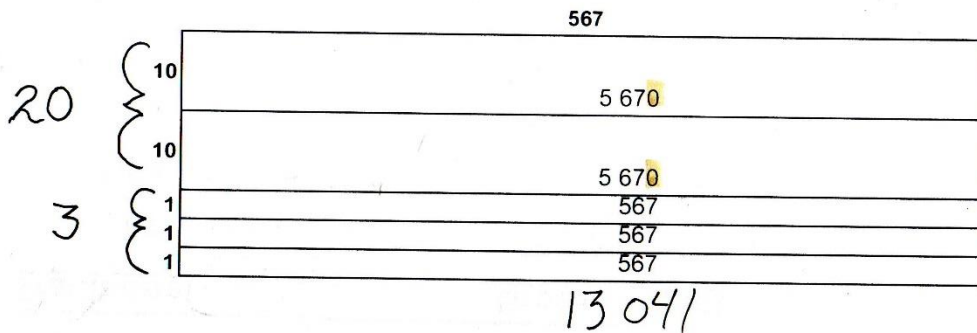
Traditional

$$\begin{array}{r}
 \overset{2}{5}\overset{1}{6}\overset{1}{7} \\
 \times 23 \\
 \hline
 1701 \\
 11340 \\
 \hline
 13041
 \end{array}$$

Break it Apart

$$\begin{array}{r}
 567 \\
 \times 3 \\
 \hline
 1701
 \end{array}
 \qquad
 \begin{array}{r}
 567 \\
 \times 20 \\
 \hline
 11340
 \end{array}
 \qquad
 \begin{array}{r}
 11340 \\
 + 1701 \\
 \hline
 13041
 \end{array}$$

Array



Lines Method

