

MULTIPLICATION

There are many different methods for solving. Here are a few we've talked about:

Method 1: Break apart 78×32

Step 1: $78 \times 30 = 78 \times 3 \times 10$

$\begin{matrix} \wedge \\ 3 \times 10 \end{matrix}$

$234 \times 10 = 2,340$ ← Step 3:

Step 2: $78 \times 2 = 156$ → + 156

$$\begin{array}{r} 2,340 \\ + 156 \\ \hline 2,496 \end{array}$$

Method 2: Area Model 78×32

x	70	8
30	2100	240
2	140	16

→ add all these products →

$$\begin{array}{r} 2100 \\ 240 \\ 140 \\ + 16 \\ \hline 2,496 \end{array}$$

Method 3: Regular algorithm

$$\begin{array}{r} 2x \\ 78 \\ \times 32 \\ \hline 156 \\ + 2340 \leftarrow \text{Place holder} \\ \hline 2,496 \end{array}$$