

Smart Multiplication

Joe and Moe Smart worked on their homework together. They did not estimate to make sure their answers made sense.

Estimate to see if Joe and Moe's answers are reasonable. Check their work and discuss their mistakes with your partner. Then solve each problem correctly using the strategy or method Joe and Moe used for that problem.

$$\begin{array}{r} 1. \quad 617 \\ \times 5 \\ \hline 355 \end{array}$$

$$\begin{array}{r} 2. \quad 2045 = 200 + 40 + 5 \\ \times 7 \qquad \qquad \qquad \times 7 \\ \hline 1400 + 280 + 35 = 1715 \end{array}$$

$$\begin{array}{r} 3. \quad 748 \\ \times 6 \\ \hline 48 \\ 24 \\ \hline 42 \\ \hline 114 \end{array}$$

$$4. \quad 399 \times 4$$

$4 \times 400 = 1600$,
minus 1 makes 1599.



$$\begin{array}{r} 5. \quad 538 = 500 + 30 + 8 \\ \times 3 \qquad \qquad \qquad \times 3 \\ \hline 150 + 90 + 24 = 264 \end{array}$$

$$\begin{array}{r} 6. \quad 158 \\ \times 7 \\ \hline 56 \\ 350 \\ \hline 700 \\ \hline 1016 \end{array}$$