

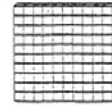
## Exploring Multiplying with 2-Digit Factors

Complete. Draw a picture or use place-value blocks to help.

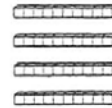
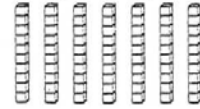
$$\begin{array}{r} 1. \quad 17 \\ \times 15 \\ \hline 35 \\ \square\square \\ 70 \\ \hline \square\square\square \\ \square\square\square \end{array}$$

←  $5 \times \square$   
 ←  $5 \times 10$   
 ←  $\square\square \times 7$   
 ←  $10 \times 10$   
 ←  $35 + \square\square + 70 + \square\square\square$

$10 \times 10 = 100$



$10 \times 7 = 70$



$10 \times 5 = 50$



$5 \times 7 = 35$

$$\begin{array}{r} 2. \quad 63 \\ \times 12 \\ \hline 6 \\ 120 \\ 30 \\ \hline \square\square\square \\ \square\square\square \end{array}$$

←  $2 \times 3$   
 ←  $2 \times 60$   
 ←  $10 \times 3$   
 ←  $10 \times 60$

$$\begin{array}{r} 3. \quad 37 \\ \times 24 \\ \hline 28 \\ 120 \\ \hline \square\square\square \\ \square\square\square \\ \square\square\square \end{array}$$

←  $4 \times 7$   
 ←  $4 \times 30$   
 ←  $20 \times 7$   
 ←  $20 \times 30$

$$\begin{array}{r} 4. \quad 45 \\ \times 53 \\ \hline \square\square \\ \square\square\square \\ \square\square\square \\ \square\square\square \\ \square\square\square \\ \square\square\square \end{array}$$

$$\begin{array}{r} 5. \quad 34 \\ \times 62 \\ \hline \square \\ \square\square \\ \square\square\square \\ \square\square\square \\ \square\square\square \\ \square\square\square \end{array}$$

$$\begin{array}{r} 6. \quad 17 \\ \times 29 \\ \hline \square\square \\ \square\square \\ \square\square\square \\ \square\square\square \\ \square\square\square \\ \square\square\square \end{array}$$

$$\begin{array}{r} 7. \quad 75 \\ \times 43 \\ \hline \square\square \\ \square\square\square \\ \square\square\square \\ \square\square\square \\ \square\square\square \\ \square\square\square \end{array}$$

$$\begin{array}{r} 8. \quad 46 \\ \times 38 \end{array}$$

$$\begin{array}{r} 9. \quad 95 \\ \times 26 \end{array}$$

$$\begin{array}{r} 10. \quad 59 \\ \times 52 \end{array}$$

$$\begin{array}{r} 11. \quad 67 \\ \times 12 \end{array}$$