Long multiplication: 2-digit by 2-digit

Year 5. Multiply by the ones, then by the tens (remember the place-holder 0), then add the two rows.

Name: _____ Date: _____

1. 31 × 42 = ____

2. 85 × 25 = ____

3. 20 × 25 = ____

4. 73 × 88 = ____

5. 69 × 92 = ____

6. 65 × 71 = ____

7. 21 × 31 = ____

8. 10 × 12 = ____

Answer key: Long multiplication 2-digit by 2-digit

Full working: both rows and the total.

1.

$$\begin{array}{r} 31 \\ \times\ 42 \\ \hline 62 \\ +1240 \\ \hline 1302 \end{array}$$

2.

$$\begin{array}{r} 85 \\ \times\ 25 \\ \hline 425 \\ +1700 \\ \hline 2125 \end{array}$$

3.

$$\begin{array}{r} 20 \\ \times\ 25 \\ \hline 100 \\ +400 \\ \hline 500 \end{array}$$

4.

$$\begin{array}{r} 73 \\ \times\ 88 \\ \hline 584 \\ +5840 \\ \hline 6424 \end{array}$$

5.

$$\begin{array}{r} 69 \\ \times\ 92 \\ \hline 138 \\ +6210 \\ \hline 6348 \end{array}$$

6.

$$\begin{array}{r} 65 \\ \times\ 71 \\ \hline 65 \\ +4550 \\ \hline 4615 \end{array}$$

7.

$$\begin{array}{r} 21 \\ \times\ 31 \\ \hline 21 \\ +630 \\ \hline 651 \end{array}$$

8.

$$\begin{array}{r} 10 \\ \times\ 12 \\ \hline 20 \\ +100 \\ \hline 120 \end{array}$$