

## Multiplying With 8 and 9 (J)

Note: The second factor has a range of 1 to 9.

$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 & 9 & 9 & 8 & 8 & 9 & 8 & 9 & 7 & 9 \\ \times 9 & \times 2 & \times 3 & \times 2 & \times 7 & \times 9 & \times 1 & \times 3 & \times 9 & \times 2 \end{array}$$

$$\begin{array}{cccccccccccccc} 9 & & 8 & & 8 & & 9 & & 6 & & 8 & & 8 & & 8 & & 2 & & 8 \\ \times 3 & & \times 8 & & \times 1 & & \times 9 & & \times 9 & & \times 8 & & \times 8 & & \times 8 & & \times 9 & & \times 8 \end{array}$$

$$\begin{array}{cccccccccccccc} & 3 & & 9 & & 3 & & 8 & & 8 & & 9 & & 8 & & 8 & & 2 & & 7 \\ \times & 8 & & x & 9 & & x & 8 & & x & 9 & & x & 6 & & x & 4 & & x & 1 & & x & 9 & & x & 9 & & x & 9 \end{array}$$

$$\begin{array}{cccccccccccccc} 9 & & 5 & & 2 & & 9 & & 1 & & 8 & & 5 & & 9 & & 8 & \\ \times 4 & & \times 9 & & \times 8 & & \times 7 & & \times 8 & & \times 4 & & \times 8 & & \times 9 & & \times 7 & & \times 8 \end{array}$$

$$\begin{array}{cccccccccccccc} 2 & & 5 & & 8 & & 1 & & 8 & & 8 & & 2 & & 1 & & 1 & \\ \times 9 & & \times 8 & & \times 8 & & \times 9 & & \times 2 & & \times 9 & & \times 9 & & \times 8 & & \times 9 & \times 5 \end{array}$$

$$\begin{array}{cccccccccccccc} 8 & & 9 & & 8 & & 7 & & 1 & & 9 & & 8 & & 3 & & 6 & & 9 \\ \times 8 & & \times 7 & & \times 5 & & \times 9 & & \times 8 & & \times 9 & & \times 9 & & \times 9 & & \times 9 & & \times 6 \end{array}$$

1 3 6 9 8 9 2 9 7 3 8 9  
x 8 x 9 x 9 x 8 x 8 x 2 x 9 x 8 x 8 x 9

$$\begin{array}{cccccccccccccc} & 3 & & 9 & & 2 & & 8 & & 5 & & 9 & & 9 & & 1 & & 6 & & 1 \\ x & 9 & x & 5 & x & 9 & x & 7 & x & 8 & x & 9 & x & 9 & x & 4 & x & 9 & x & 9 & x & 8 \end{array}$$

8      9      7      4      2      6      8      9      6      5  
x 6    x 8    x 9    x 8    x 8    x 8    x 5    x 2    x 9    x 6    x 8

# Multiplying With 8 and 9 (J) Answers

$$\begin{array}{r} 9 \\ \times 8 \\ \hline 72 \end{array} \quad \begin{array}{r} 2 \\ \times 9 \\ \hline 18 \end{array} \quad \begin{array}{r} 8 \\ \times 4 \\ \hline 32 \end{array} \quad \begin{array}{r} 6 \\ \times 9 \\ \hline 54 \end{array} \quad \begin{array}{r} 9 \\ \times 2 \\ \hline 18 \end{array} \quad \begin{array}{r} 7 \\ \times 9 \\ \hline 63 \end{array} \quad \begin{array}{r} 9 \\ \times 6 \\ \hline 54 \end{array} \quad \begin{array}{r} 8 \\ \times 5 \\ \hline 40 \end{array} \quad \begin{array}{r} 3 \\ \times 8 \\ \hline 24 \end{array} \quad \begin{array}{r} 8 \\ \times 8 \\ \hline 64 \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline 27 \end{array} \quad \begin{array}{r} 9 \\ \times 2 \\ \hline 18 \end{array} \quad \begin{array}{r} 9 \\ \times 3 \\ \hline 27 \end{array} \quad \begin{array}{r} 8 \\ \times 2 \\ \hline 16 \end{array} \quad \begin{array}{r} 8 \\ \times 7 \\ \hline 56 \end{array} \quad \begin{array}{r} 9 \\ \times 9 \\ \hline 81 \end{array} \quad \begin{array}{r} 8 \\ \times 1 \\ \hline 8 \end{array} \quad \begin{array}{r} 9 \\ \times 3 \\ \hline 27 \end{array} \quad \begin{array}{r} 7 \\ \times 9 \\ \hline 63 \end{array} \quad \begin{array}{r} 9 \\ \times 2 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 9 & 8 & 8 & 9 & 6 & 8 & 8 & 8 & 2 & 8 \\ \times 3 & \times 8 & \times 1 & \times 9 & \times 9 & \times 8 & \times 8 & \times 8 & \times 9 & \times 8 \\ \hline 27 & 64 & 8 & 81 & 54 & 64 & 64 & 64 & 18 & 64 \end{array}$$

$$\begin{array}{r}
 & 3 & 9 & 3 & 8 & 8 & 9 & 8 & 8 & 2 & 7 \\
 \times & 8 & 9 & 8 & 9 & 6 & 4 & 1 & 9 & 9 & 9 \\
 \hline
 24 & 81 & 24 & 72 & 48 & 36 & 8 & 72 & 18 & 18 & 63
 \end{array}$$

$$\begin{array}{r}
 9 & & 5 & & 2 & & 9 & & 1 & & 8 & & 5 & & 9 & & 8 & & 8 \\
 \times 4 & \times 9 & \times 8 & \times 7 & \times 8 & \times 4 & \times 8 & \times 9 & \times 4 & \times 8 & \times 7 & \times 8 \\
 \hline
 36 & 45 & 16 & 63 & 8 & 32 & 40 & 81 & 16 & 64
 \end{array}$$

$$\begin{array}{r} 2 \\ \times 9 \\ \hline 18 \end{array} \quad \begin{array}{r} 5 \\ \times 8 \\ \hline 40 \end{array} \quad \begin{array}{r} 8 \\ \times 8 \\ \hline 64 \end{array} \quad \begin{array}{r} 1 \\ \times 9 \\ \hline 9 \end{array} \quad \begin{array}{r} 8 \\ \times 2 \\ \hline 16 \end{array} \quad \begin{array}{r} 8 \\ \times 9 \\ \hline 72 \end{array} \quad \begin{array}{r} 2 \\ \times 9 \\ \hline 18 \end{array} \quad \begin{array}{r} 1 \\ \times 8 \\ \hline 8 \end{array} \quad \begin{array}{r} 1 \\ \times 9 \\ \hline 9 \end{array} \quad \begin{array}{r} 8 \\ \times 5 \\ \hline 40 \end{array}$$

$$\begin{array}{r}
 8 & 9 & 8 & 7 & 1 & 9 & 8 & 3 & 6 & 9 \\
 \times 8 & \times 7 & \times 5 & \times 9 & \times 8 & \times 9 & \times 9 & \times 9 & \times 9 & \times 6 \\
 \hline
 64 & 63 & 40 & 63 & 8 & 9 & 72 & 27 & 54 & 54
 \end{array}$$

$$\begin{array}{r} 1 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline 27 \end{array} \quad \begin{array}{r} 9 \\ \times 5 \\ \hline 45 \end{array} \quad \begin{array}{r} 2 \\ \times 9 \\ \hline 18 \end{array} \quad \begin{array}{r} 8 \\ \times 7 \\ \hline 56 \end{array} \quad \begin{array}{r} 5 \\ \times 8 \\ \hline 40 \end{array} \quad \begin{array}{r} 9 \\ \times 9 \\ \hline 81 \end{array} \quad \begin{array}{r} 9 \\ \times 4 \\ \hline 36 \end{array} \quad \begin{array}{r} 1 \\ \times 9 \\ \hline 9 \end{array} \quad \begin{array}{r} 6 \\ \times 9 \\ \hline 54 \end{array} \quad \begin{array}{r} 1 \\ \times 8 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$$