



Solve each problem.

1) 
$$\begin{array}{r} 1491 \\ \times 234 \\ \hline \end{array}$$

Helper grid: A 4x4 grid for the multiplicand, a 4x4 grid for the multiplier, and a 4x4 grid for the product. A plus sign is to the left of the grid.

2) 
$$\begin{array}{r} 92 \\ \times 75 \\ \hline \end{array}$$

Helper grid: A 2x2 grid for the multiplicand, a 2x2 grid for the multiplier, and a 2x2 grid for the product. A plus sign is to the left of the grid.

3) 
$$\begin{array}{r} 1424 \\ \times 393 \\ \hline \end{array}$$

Helper grid: A 4x4 grid for the multiplicand, a 4x4 grid for the multiplier, and a 4x4 grid for the product. A plus sign is to the left of the grid.

4) 
$$\begin{array}{r} 6098 \\ \times 933 \\ \hline \end{array}$$

Helper grid: A 4x4 grid for the multiplicand, a 4x4 grid for the multiplier, and a 4x4 grid for the product. A plus sign is to the left of the grid.

5) 
$$\begin{array}{r} 7647 \\ \times 219 \\ \hline \end{array}$$

Helper grid: A 3x4 grid for the multiplicand, a 3x4 grid for the multiplier, and a 3x4 grid for the product. A plus sign is to the left of the grid.

6) 
$$\begin{array}{r} 21 \\ \times 53 \\ \hline \end{array}$$

Helper grid: A 2x2 grid for the multiplicand, a 2x2 grid for the multiplier, and a 2x2 grid for the product. A plus sign is to the left of the grid.

7) 
$$\begin{array}{r} 66 \\ \times 63 \\ \hline \end{array}$$

Helper grid: A 2x2 grid for the multiplicand, a 2x2 grid for the multiplier, and a 2x2 grid for the product. A plus sign is to the left of the grid.

8) 
$$\begin{array}{r} 2368 \\ \times 619 \\ \hline \end{array}$$

Helper grid: A 4x4 grid for the multiplicand, a 4x4 grid for the multiplier, and a 4x4 grid for the product. A plus sign is to the left of the grid.

Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_



Solve each problem.

$$\begin{array}{r}
 1491 \\
 \times 234 \\
 \hline
 5964 \\
 44730 \\
 + 298200 \\
 \hline
 348894
 \end{array}$$

$$\begin{array}{r}
 92 \\
 \times 75 \\
 \hline
 460 \\
 + 6440 \\
 \hline
 6900
 \end{array}$$

$$\begin{array}{r}
 1424 \\
 \times 393 \\
 \hline
 4272 \\
 128160 \\
 + 427200 \\
 \hline
 559632
 \end{array}$$

$$\begin{array}{r}
 6098 \\
 \times 933 \\
 \hline
 18294 \\
 182940 \\
 + 5488200 \\
 \hline
 5689434
 \end{array}$$

$$\begin{array}{r}
 7647 \\
 \times 219 \\
 \hline
 68823 \\
 76470 \\
 + 1529400 \\
 \hline
 1674693
 \end{array}$$

$$\begin{array}{r}
 21 \\
 \times 53 \\
 \hline
 63 \\
 + 1050 \\
 \hline
 1113
 \end{array}$$

$$\begin{array}{r}
 66 \\
 \times 63 \\
 \hline
 198 \\
 + 3960 \\
 \hline
 4158
 \end{array}$$

$$\begin{array}{r}
 2368 \\
 \times 619 \\
 \hline
 21312 \\
 23680 \\
 + 1420800 \\
 \hline
 1465792
 \end{array}$$

Answers

1. 348,894

2. 6,900

3. 559,632

4. 5,689,434

5. 1,674,693

6. 1,113

7. 4,158

8. 1,465,792