

•••••••••• Using Two-Digit Multipliers  
with Two-Digit Multiplicands

**Directions:** Use the information on page 9 to help you do these problems. The first problem has been started for you.

$$\begin{array}{r} 1. \quad 31 \\ \quad \times 33 \\ \hline \quad 93 \\ + 930 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 24 \\ \quad \times 21 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 53 \\ \quad \times 32 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 12 \\ \quad \times 14 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 53 \\ \quad \times 23 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 63 \\ \quad \times 31 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 23 \\ \quad \times 42 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 41 \\ \quad \times 23 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 75 \\ \quad \times 44 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 45 \\ \quad \times 29 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 85 \\ \quad \times 33 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 99 \\ \quad \times 27 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 74 \\ \quad \times 34 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 27 \\ \quad \times 65 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 56 \\ \quad \times 86 \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad 56 \\ \quad \times 37 \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad 94 \\ \quad \times 26 \\ \hline \end{array}$$

$$\begin{array}{r} 18. \quad 87 \\ \quad \times 37 \\ \hline \end{array}$$

$$\begin{array}{r} 19. \quad 66 \\ \quad \times 87 \\ \hline \end{array}$$

$$\begin{array}{r} 20. \quad 49 \\ \quad \times 52 \\ \hline \end{array}$$

# ••• Using More Two-Digit Multipliers with Two-Digit Multiplicands

To multiply  $47 \times 38$ , use these three steps.

Step 1

$$\begin{array}{r} 5 \\ 47 \\ \times 38 \\ \hline 376 \end{array}$$

Step 2

$$\begin{array}{r} 2 \\ 47 \\ \times 38 \\ \hline 376 \\ + 1,410 \\ \hline \end{array}$$

Step 3

$$\begin{array}{r} 47 \\ \times 38 \\ \hline 376 \\ + 1,410 \\ \hline 1,786 \end{array}$$

### Multiplication Reminders

- Regroup and carry.
- Use automatic zero (placeholder).
- Add partial products.
- Add a comma every three digits in the answer, starting from the ones place.

**Directions:** Use the information on page 9 and the example above to help you solve these problems below. The first one has been done for you.

1. 
$$\begin{array}{r} 45 \\ \times 98 \\ \hline 360 \\ + 4050 \\ \hline 4,410 \end{array}$$

2. 
$$\begin{array}{r} 54 \\ \times 24 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 68 \\ \times 59 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 49 \\ \times 76 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 86 \\ \times 76 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 57 \\ \times 98 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 29 \\ \times 65 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 54 \\ \times 77 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 59 \\ \times 75 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 35 \\ \times 66 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 24 \\ \times 35 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 99 \\ \times 73 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 98 \\ \times 44 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 69 \\ \times 93 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 72 \\ \times 84 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 96 \\ \times 68 \\ \hline \end{array}$$

# Using Two-Digit Multipliers with Three-Digit Multiplicands

## Step by Step

- Multiply 409 times 8 which equals 3,272.
- Place an automatic zero (placeholder) in the ones place when multiplying 409 times 3 (tens) which equals 12,270.
- Add the two partial products ( $3,272 + 12,270 = 15,542$ ). Don't forget to add a comma every three digits starting from the ones place.

$$\begin{array}{r}
 409 \\
 \times 38 \\
 \hline
 3,272 \\
 + 12,270 \\
 \hline
 15,542
 \end{array}$$

**Directions:** Use the information above to help solve the problems on this page. The first one has been done for you.

$$\begin{array}{r}
 1. \quad 507 \\
 \quad \times 37 \\
 \hline
 3,549 \\
 + 15,210 \\
 \hline
 18,759
 \end{array}$$

$$\begin{array}{r}
 2. \quad 609 \\
 \quad \times 58 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 3. \quad 706 \\
 \quad \times 76 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 4. \quad 108 \\
 \quad \times 25 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 5. \quad 607 \\
 \quad \times 45 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 6. \quad 304 \\
 \quad \times 39 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 7. \quad 107 \\
 \quad \times 98 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 8. \quad 509 \\
 \quad \times 76 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 9. \quad 608 \\
 \quad \times 88 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 10. \quad 706 \\
 \quad \times 99 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 11. \quad 405 \\
 \quad \times 55 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 12. \quad 407 \\
 \quad \times 66 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 13. \quad 231 \\
 \quad \times 78 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 14. \quad 289 \\
 \quad \times 65 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 15. \quad 578 \\
 \quad \times 93 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 16. \quad 374 \\
 \quad \times 69 \\
 \hline
 \end{array}$$