

Multiply Whole Numbers



You can use the expanded form of factors to help you multiply.

Multiply 4×562 .

$$562 = 500 + 60 + 2$$

$$\begin{array}{r} 500 + 60 + 2 \\ \times \quad 4 \\ \hline 8 \leftarrow 4 \times 2 \\ 240 \leftarrow 4 \times 60 \\ + 2,000 \leftarrow 4 \times 500 \\ \hline 2,248 \end{array}$$

Multiply 27×43 .

$$43 = 40 + 3$$

$$27 = 20 + 7$$

$$\begin{array}{r} 40 + 3 \\ \times 20 + 7 \\ \hline 21 \leftarrow 7 \times 3 \\ 280 \leftarrow 7 \times 40 \\ 60 \leftarrow 20 \times 3 \\ + 800 \leftarrow 20 \times 40 \\ \hline 1,161 \end{array}$$

Find each product.

1. $\begin{array}{r} 439 \\ \times 7 \\ \hline \end{array}$

2. $\begin{array}{r} 152 \\ \times 9 \\ \hline \end{array}$

3. $\begin{array}{r} 2,473 \\ \times 9 \\ \hline \end{array}$

4. $\begin{array}{r} 4,508 \\ \times 5 \\ \hline \end{array}$

5. $\begin{array}{r} \$72,417 \\ \times 8 \\ \hline \end{array}$

6. $\begin{array}{r} 68 \\ \times 34 \\ \hline \end{array}$

7. $\begin{array}{r} 25 \\ \times 25 \\ \hline \end{array}$

8. $\begin{array}{r} 82 \\ \times 58 \\ \hline \end{array}$

9. $\begin{array}{r} 93 \\ \times 37 \\ \hline \end{array}$

10. $\begin{array}{r} 81 \\ \times 93 \\ \hline \end{array}$

11. $\begin{array}{r} \$364 \\ \times 87 \\ \hline \end{array}$

12. $\begin{array}{r} 617 \\ \times 62 \\ \hline \end{array}$

13. $\begin{array}{r} 703 \\ \times 29 \\ \hline \end{array}$

14. $\begin{array}{r} 548 \\ \times 95 \\ \hline \end{array}$

15. $\begin{array}{r} 277 \\ \times 38 \\ \hline \end{array}$

16. $\begin{array}{r} 1,228 \\ \times 46 \\ \hline \end{array}$

17. $\begin{array}{r} \$6,229 \\ \times 12 \\ \hline \end{array}$

18. $\begin{array}{r} 42,576 \\ \times 27 \\ \hline \end{array}$

19. $\begin{array}{r} 326 \\ \times 145 \\ \hline \end{array}$

20. $\begin{array}{r} \$449 \\ \times 365 \\ \hline \end{array}$