



SKILL 14: Multiplication by a 1-Digit Multiplier

Breaking apart numbers can make them easier to multiply.

Example

Find 348×6 .

Break 348 into hundreds, tens, and ones.

$$348 = 300 + 40 + 8$$

Multiply each part by 6.

$$6 \times 8 = 48$$

$$6 \times 40 = 240$$

$$6 \times 300 = 1,800$$

Add.

$$6 \times 8 = 48$$

$$6 \times 40 = 240$$

$$6 \times 300 = 1,800$$

$$\underline{2,088}$$

Estimate to check that your answer is reasonable: $300 \times 6 = 1,800$.

Since 2,088 is close to 1,800, the product is reasonable. So, $348 \times 6 = 2,088$.

Guided Practice

Find each product.

1. $56 = 50 + 6$

$$\begin{array}{r} \times 4 \\ \hline \end{array}$$

$$4 \times 6 = \underline{\hspace{2cm}}$$

$$4 \times 50 = \underline{\hspace{2cm}}$$

2. $601 = 600 + 1$

$$\begin{array}{r} \times 5 \\ \hline \end{array}$$

$$5 \times 1 = \underline{\hspace{2cm}}$$

$$5 \times 600 = \underline{\hspace{2cm}}$$

3. $789 = 700 + 80 + 9$

$$\begin{array}{r} \times 3 \\ \hline \end{array}$$

$$3 \times 9 = \underline{\hspace{2cm}}$$

$$3 \times 80 = \underline{\hspace{2cm}}$$

$$3 \times 700 = \underline{\hspace{2cm}}$$

4. $342 = 300 + 40 + 2$

$$\begin{array}{r} \times 8 \\ \hline \end{array}$$

$$8 \times 2 = \underline{\hspace{2cm}}$$

$$8 \times 40 = \underline{\hspace{2cm}}$$

$$8 \times 300 = \underline{\hspace{2cm}}$$

5. $1,234 = 1,000 + 200 + 30 + 4$

$$\begin{array}{r} \times 2 \\ \hline \end{array}$$

$$2 \times 4 = \underline{\hspace{2cm}}$$

$$2 \times 30 = \underline{\hspace{2cm}}$$

$$2 \times 200 = \underline{\hspace{2cm}}$$

$$2 \times 1,000 = \underline{\hspace{2cm}}$$

6. $3,260 = 3,000 + 200 + 60$

$$\begin{array}{r} \times 5 \\ \hline \end{array}$$

$$5 \times 60 = \underline{\hspace{2cm}}$$

$$5 \times 200 = \underline{\hspace{2cm}}$$

$$5 \times 3,000 = \underline{\hspace{2cm}}$$

SKILL 14: Practice

Find each product.

1.
$$\begin{array}{r} 13 \\ \times 3 \\ \hline \end{array}$$

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

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

4.
$$\begin{array}{r} 101 \\ \times 6 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 304 \\ \times 2 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 222 \\ \times 4 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 121 \\ \times 4 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 304 \\ \times 3 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 206 \\ \times 4 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 109 \\ \times 6 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 232 \\ \times 3 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 507 \\ \times 3 \\ \hline \end{array}$$

13.
$$\begin{array}{r} \$82 \\ \times 3 \\ \hline \end{array}$$

14.
$$\begin{array}{r} \$108 \\ \times 2 \\ \hline \end{array}$$

15.
$$\begin{array}{r} \$403 \\ \times 3 \\ \hline \end{array}$$

16.
$$\begin{array}{r} \$321 \\ \times 4 \\ \hline \end{array}$$

17. $23 \times 3 = \underline{\hspace{2cm}}$

18. $7 \times 11 = \underline{\hspace{2cm}}$

19. $31 \times 5 = \underline{\hspace{2cm}}$

20. $9 \times 211 = \underline{\hspace{2cm}}$

21. $410 \times 8 = \underline{\hspace{2cm}}$

22. $623 \times 3 = \underline{\hspace{2cm}}$

Solve.

23. A school orders 52 books that cost \$4 each.
What is the total cost of these books? _____



24. Find the product:
- 93×2
- .

Skill 14

A 95

C 186

B 180

D 196

25. Add:
- $53 + 106 + 270$
- .

Skill 7

F 329

H 429

G 450

J 906