



## SKILL 11: Multiplication Facts

When you multiply, the numbers you multiply are the **factors**.  
The answer is the **product**.

$$\begin{array}{ccc} 5 \times 7 = 35 \\ \swarrow \quad \nearrow \quad \uparrow \\ \text{factors} \quad \text{product} \end{array}$$

You can use the **identity** and **zero properties** of multiplication to help you multiply.

### Example 1

**Find  $7 \times 1$ .**

**Identity Property:** The product of one and any number is the number.

$7 \times 1 = 7$ , and by the commutative property, you know  $1 \times 7 = 7$ .

### Example 2

**Find  $0 \times 9$ .**

**Zero Property:** The product of zero and any number is zero.

$0 \times 9 = 0$  and  $9 \times 0 = 0$ .

### Guided Practice

1. Complete the multiplication table. Use the properties of multiplication to help you.

$\times$	0	1	2	3	4	5	6	7	8	9
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										

**SKILL 11: Practice****Find each product.**

- |                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| 1. $6 \times 0 =$ _____  | 2. $1 \times 9 =$ _____  | 3. $6 \times 7 =$ _____  |
| 4. $8 \times 4 =$ _____  | 5. $6 \times 8 =$ _____  | 6. $7 \times 7 =$ _____  |
| 7. $0 \times 4 =$ _____  | 8. $7 \times 8 =$ _____  | 9. $8 \times 5 =$ _____  |
| 10. $8 \times 9 =$ _____ | 11. $9 \times 2 =$ _____ | 12. $5 \times 9 =$ _____ |
| 13. $8 \times 8 =$ _____ | 14. $5 \times 7 =$ _____ | 15. $6 \times 6 =$ _____ |
| 16. $6 \times 9 =$ _____ | 17. $9 \times 7 =$ _____ | 18. $9 \times 9 =$ _____ |
| 19. $1 \times 8 =$ _____ | 20. $5 \times 6 =$ _____ | 21. $9 \times 4 =$ _____ |
| 22. $3 \times 9 =$ _____ | 23. $8 \times 7 =$ _____ | 24. $7 \times 4 =$ _____ |
| 25. $7 \times 9 =$ _____ | 26. $3 \times 8 =$ _____ | 27. $9 \times 6 =$ _____ |
| 28. $4 \times 9 =$ _____ | 29. $4 \times 7 =$ _____ | 30. $7 \times 0 =$ _____ |

**Solve.**

31. Ann bought 9 packages of sesame rolls for a party. Each package has 8 rolls. How many rolls did she buy? \_\_\_\_\_
32. Ann also bought 7 packages of orange juice and 9 packages of apple juice. If there were 6 cartons of juice in each package, how many cartons did she buy? \_\_\_\_\_



33. Find the product:
- $7 \times 6$
- .

A 54	C 49
B 35	D 42

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34. Subtract:
- $9,020 - 438$
- .

F 4,640	H 9,418
G 8,582	J 9,452

Skill 8