

Multiplication Properties

You can use the Properties of Multiplication to help you find products.

Commutative Property of Multiplication

You can multiply any two numbers in any order.

$$2 \times 3 = 3 \times 2$$

Identity Property of Multiplication

When you multiply any number by 1, the product is that number.

$$7 \times 1 = 7$$

Zero Property of Multiplication

When you multiply any number by 0, the product is also 0.

$$3 \times 0 = 0$$

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|----------------------------------|----------------------------------|
| 1. $7 \times 3 = 3 \times$ _____ | 2. $4 \times 0 =$ _____ |
| 3. $5 \times 4 = 4 \times$ _____ | 4. $2 \times 1 =$ _____ |
| 5. $0 \times 7 =$ _____ | 6. $8 \times 3 = 3 \times$ _____ |
| 7. $9 \times 1 = 1 \times$ _____ | 8. $1 \times 5 =$ _____ |

9. **Number Sense** How do you know that $35 \times 5 = 5 \times 35$ without finding products?

10. **Writing to Explain** Explain how you know that in $? \times 6,273 = 6,273$, the ? will be 1.
