

Name: _____

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Identity and Inverse Properties

Sheet 1

Use appropriate '+' or '×' symbols to satisfy the equation. Identify the property used.

1) $2 \square 0 = 2$ Property: _____ _____	2) $5 \square \frac{1}{5} = 1$ Property: _____ _____	3) $2 \square (-2) = 0$ Property: _____ _____
4) $\frac{1}{10} \square 10 = 1$ Property: _____ _____	5) $0 \square 8 = 8$ Property: _____ _____	6) $1 \square 12 = 12$ Property: _____ _____
7) $-1 \square 1 = 0$ Property: _____ _____	8) $2 \square \frac{1}{2} = 1$ Property: _____ _____	9) $9 \square 1 = 9$ Property: _____ _____
10) $13 \square 0 = 13$ Property: _____ _____	11) $9 \square (-9) = 0$ Property: _____ _____	12) $4 \square 0 = 4$ Property: _____ _____
13) $-5 \square 5 = 0$ Property: _____ _____	14) $14 \square 0 = 14$ Property: _____ _____	15) $7 \square \frac{1}{7} = 1$ Property: _____ _____
16) $4 \square 1 = 4$ Property: _____ _____	17) $\frac{1}{8} \square 8 = 1$ Property: _____ _____	18) $11 \square 0 = 11$ Property: _____ _____
19) $1 \square 2 = 2$ Property: _____ _____	20) $12 \square (-12) = 0$ Property: _____ _____	21) $6 \square \frac{1}{6} = 1$ Property: _____ _____

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Answer key**Identity and Inverse Properties**

Sheet 1

1) $2 + 0 = 2$ Property: Additive Identity	2) $5 \times \frac{1}{5} = 1$ Property: Multiplicative Inverse	3) $2 + (-2) = 0$ Property: Additive Inverse
4) $\frac{1}{10} \times 10 = 1$ Property: Multiplicative Inverse	5) $0 + 8 = 8$ Property: Additive Identity	6) $1 \times 12 = 12$ Property: Multiplicative Identity
7) $-1 + 1 = 0$ Property: Additive Inverse	8) $2 \times \frac{1}{2} = 1$ Property: Multiplicative Inverse	9) $9 \times 1 = 9$ Property: Multiplicative Identity
10) $13 + 0 = 13$ Property: Additive Identity	11) $9 + (-9) = 0$ Property: Additive Inverse	12) $0 + 4 = 4$ Property: Additive Identity
13) $-5 + 5 = 0$ Property: Additive Inverse	14) $14 + 0 = 14$ Property: Additive Identity	15) $7 \times \frac{1}{7} = 1$ Property: Multiplicative Inverse
16) $4 \times 1 = 4$ Property: Multiplicative Identity	17) $\frac{1}{8} \times 8 = 1$ Property: Multiplicative Inverse	18) $11 + 0 = 11$ Property: Additive Identity
19) $1 \times 2 = 2$ Property: Multiplicative Identity	20) $12 + (-12) = 0$ Property: Additive Inverse	21) $6 \times \frac{1}{6} = 1$ Property: Multiplicative Inverse