

Reasoning – Commutative Law

Do these calculations have the same answer? Write yes or no next to each calculation.

$8 + 2$ and $2 + 8$		$8 - 2$ and $2 - 8$	
$8 + 1$ and $1 + 8$		$8 - 1$ and $1 - 8$	
$8 + 3$ and $3 + 8$		$8 - 3$ and $3 - 8$	
$8 + 4$ and $4 + 8$		$8 - 4$ and $4 - 8$	
$8 + 5$ and $5 + 8$		$8 - 5$ and $5 - 8$	
$8 + 6$ and $6 + 8$		$8 - 6$ and $6 - 8$	
$8 + 9$ and $9 + 8$		$8 - 9$ and $9 - 8$	
$8 + 0$ and $0 + 8$		$8 - 0$ and $0 - 8$	
$8 + 10$ and $10 + 8$		$8 - 10$ and $10 - 8$	

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Do these calculations have the same answer? Write yes or no next to each calculation.

$8 + 2$ and $2 + 8$	yes	$8 - 2$ and $2 - 8$	no
$8 + 1$ and $1 + 8$	yes	$8 - 1$ and $1 - 8$	no
$8 + 3$ and $3 + 8$	yes	$8 - 3$ and $3 - 8$	no
$8 + 4$ and $4 + 8$	yes	$8 - 4$ and $4 - 8$	no
$8 + 5$ and $5 + 8$	yes	$8 - 5$ and $5 - 8$	no
$8 + 6$ and $6 + 8$	yes	$8 - 6$ and $6 - 8$	no
$8 + 9$ and $9 + 8$	yes	$8 - 9$ and $9 - 8$	no
$8 + 0$ and $0 + 8$	yes	$8 - 0$ and $0 - 8$	no
$8 + 10$ and $10 + 8$	yes	$8 - 10$ and $10 - 8$	no

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Do these calculations have the same answer? Write yes or no next to each calculation.

$9 + 2$ and $2 + 9$		$10 - 9$ and $9 - 10$	
$9 - 1$ and $1 - 9$		$9 + 4$ and $4 + 9$	
$9 + 3$ and $3 + 9$		$9 - 4$ and $4 - 9$	
$9 - 3$ and $3 - 9$		$9 + 6$ and $6 + 9$	
$9 + 5$ and $5 + 9$		$9 - 6$ and $6 - 9$	
$9 - 5$ and $5 - 9$		$9 + 7$ and $7 + 9$	
$9 + 8$ and $8 + 9$		$9 - 7$ and $7 - 9$	
$9 - 8$ and $8 - 9$		$9 + 0$ and $0 + 9$	
$9 + 10$ and $10 + 9$		$7 + 9$ and $9 + 7$	

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$9 + 2$ and $2 + 9$	yes	$10 - 9$ and $9 - 10$	no
$9 - 1$ and $1 - 9$	no	$9 + 4$ and $4 + 9$	yes
$9 + 3$ and $3 + 9$	yes	$9 - 4$ and $4 - 9$	no
$9 - 3$ and $3 - 9$	no	$9 + 6$ and $6 + 9$	yes
$9 + 5$ and $5 + 9$	yes	$9 - 6$ and $6 - 9$	no
$9 - 5$ and $5 - 9$	no	$9 + 7$ and $7 + 9$	yes
$9 + 8$ and $8 + 9$	yes	$9 - 7$ and $7 - 9$	no
$9 - 8$ and $8 - 9$	no	$9 + 0$ and $0 + 9$	yes
$9 + 10$ and $10 + 9$	yes	$7 + 9$ and $9 + 7$	yes

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Do these calculations have the same answer? Write yes or no next to each calculation.

$6 + 2$ and $2 + 6$		$6 - 9$ and $9 - 6$	
$6 - 2$ and $2 - 6$		$6 + 4$ and $4 + 6$	
$6 + 3$ and $3 + 6$		$6 - 4$ and $4 - 6$	
$6 - 3$ and $3 - 6$		$6 + 6$ and $6 + 6$	
$6 + 5$ and $5 + 6$		$6 - 6$ and $6 - 6$	
$6 - 5$ and $5 - 6$		$6 + 7$ and $7 + 6$	
$6 + 8$ and $8 + 6$		$6 - 7$ and $7 - 6$	
$6 - 8$ and $8 - 6$		$6 + 0$ and $0 + 6$	
$6 + 9$ and $9 + 6$		$5 + 9$ and $9 + 5$	

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Do these calculations have the same answer? Write yes or no next to each calculation.

$6 + 2$ and $2 + 6$	yes	$6 - 9$ and $9 - 6$	no
$6 - 2$ and $2 - 6$	no	$6 + 4$ and $4 + 6$	yes
$6 + 3$ and $3 + 6$	yes	$6 - 4$ and $4 - 6$	no
$6 - 3$ and $3 - 6$	no	$6 + 6$ and $6 + 6$	yes
$6 + 5$ and $5 + 6$	yes	$6 - 6$ and $6 - 6$	yes
$6 - 5$ and $5 - 6$	no	$6 + 7$ and $7 + 6$	yes
$6 + 8$ and $8 + 6$	yes	$6 - 7$ and $7 - 6$	no
$6 - 8$ and $8 - 6$	no	$6 + 0$ and $0 + 6$	yes
$6 + 9$ and $9 + 6$	yes	$5 + 9$ and $9 + 5$	yes

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Do these calculations have the same answer? Write yes or no next to each calculation.

$4 + 2$ and $2 + 4$		$4 - 9$ and $9 - 4$	
$4 - 2$ and $2 - 4$		$4 + 4$ and $4 + 4$	
$4 + 3$ and $3 + 4$		$4 - 4$ and $4 - 4$	
$4 - 3$ and $3 - 4$		$4 + 6$ and $6 + 4$	
$4 + 5$ and $5 + 4$		$4 - 6$ and $6 - 4$	
$4 - 5$ and $5 - 4$		$4 + 7$ and $7 + 4$	
$4 + 8$ and $8 + 4$		$4 - 7$ and $7 - 4$	
$4 - 8$ and $8 - 4$		$4 + 0$ and $0 + 4$	
$4 + 9$ and $9 + 4$		$3 + 9$ and $9 + 3$	

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$4 + 2$ and $2 + 4$	yes	$4 - 9$ and $9 - 4$	no
$4 - 2$ and $2 - 4$	no	$4 + 4$ and $4 + 4$	yes
$4 + 3$ and $3 + 4$	yes	$4 - 4$ and $4 - 4$	yes
$4 - 3$ and $3 - 4$	no	$4 + 6$ and $6 + 4$	yes
$4 + 5$ and $5 + 4$	yes	$4 - 6$ and $6 - 4$	no
$4 - 5$ and $5 - 4$	no	$4 + 7$ and $7 + 4$	yes
$4 + 8$ and $8 + 4$	yes	$4 - 7$ and $7 - 4$	no
$4 - 8$ and $8 - 4$	no	$4 + 0$ and $0 + 4$	yes
$4 + 9$ and $9 + 4$	yes	$3 + 9$ and $9 + 3$	yes