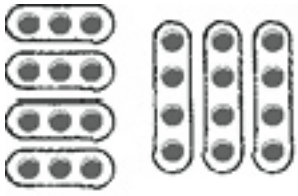
Name _____ Date _____

Reteach 4.1

Multiplication Properties and Division Rules

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

Commutative Property	**Property of One**	**Zero Property**	**Associative Property**
When you change the order of the factors, the product stays the same.	When you multiply any number by 1, the product is the other factor.	When you multiply any number by 0, the product is 0.	When you group factors in different ways, the product stays the same.
			
$4 \times 3 = 12$ $3 \times 4 = 12$	$1 \times 9 = 9$	$0 \times 6 = 0$	$(3 \times 2) \times 3$ $3 \times (2 \times 3)$ $6 \times 3 = 18$ $3 \times 6 = 18$

Use properties and rules to solve. If there is no solution, explain why.

1. $1 \times 43 = \square$

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2. $4 \div 0 = \square$

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3. $4 \div 4 = \square$

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4. $\square \times 12 = 0$

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5. $\square \div 5 = 0$

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6. $9 \times \square = 9$

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7. $5 \times 3 = 3 \times \square$

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8. $28 \div \square = 28$

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9. $4 \times (4 \times 0) = \square$

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10. $5 \times (4 \times 3) = \square \times 3$

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11. $9 \times (2 \times \square) = 2 \times 9$

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