

Directions: Sort the following equations on whether they are an example for the Associative property, Commutative property or neither. Write your own example in the 3 empty blocks.

Associative Property	Commutative Property	Neither
$4 \times 3 = 3 \times 4$	$(4 \times 5) \times 6 = 4 \times (5 \times 6)$	$7 \times 4 = 4 \times 7$
$(7 \times 6) \times 3 = 7 \times (6 \times 3)$	$5 \times 3 = 15$	$2 \times (3 \times 3) = (2 \times 3) \times 3$
$4 \times 8 = 8 \times 4$	$(3 \times 7) \times 6 = 3 \times (7 \times 6)$	$2 \times 3 = 3 \times 2$
$6 \times 3 = (6 \times 2) + 6$	$9 \times 3 = 3 \times 9$	$9 \times (3 \times 2) = (9 \times 3) \times 2$
$34 \times 9 = 9 \times 34$	$3 \times 13 = 40 \times 3$	$8 \times 4 = 4 \times 8$
$8 \times (4 \times 1) = (8 \times 4) \times 1$	$3 \times 23 = 23 \times 3$	$(2 \times 4) \times 3 = 2 \times (4 \times 3)$
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