

# Name that Property! # 4

Identify the properties below using the following colors:

Red - Commutative  
Green - Inverse

Orange - Associative  
Blue - Identity  
Uncolored - Not a property

Yellow - Distributive  
Purple - Zero

$(a + b) + c = a + (b + c)$	$(a + b)c = ac + bc$	$a + (b + c) = a + (c + b)$
$a(b + c) = ab + c$	$(a - b) + c = a - (b + c)$	$a + (b + c) = (a + b) + c$
$(a + b) + c = (b + a) + c$	$a(b + c) = ab + ac$	$a + (b - c) = a + (c - b)$
$7 + 9 + 5 = 7 + (9 + 5)$	$(a * b) + c = a * (b + c)$	$a + b = b + a$
$(7 + 9)5 = 7*5 + 9*5$	$(7 + 9) + 5 = (9 + 7) + 5$	$(7 + 9) + 5 = 7 + (9 + 5)$
$7(9 + 5) = 63 + c$	$7 + (9 + 5) = (7 + 9) + 5$	$7(9 + 5) = 63 + 35$
$7 + (9 + 5) = 7 + (5 + 9)$	$7(9 + 5) = 7(9) + 5$	$7(9 + 5) = 7(9) + 7(5)$