

Property Sort: Print and cut up the examples. Sort them back together. Use this sheet to check after you have placed them where you think they belong.

ASSOCIATIVE PROPERTY	COMMUTATIVE PROPERTY	DISTRIBUTIVE PROPERTY
$(6 + 1) + 4 = 6 + (1 + 4)$	$6 + 7 = 7 + 6$	$7(p - 5) = 7p - 35$
$(10 + 7) + 8 = 10 + (7 + 8)$	$4 \times 8 = 8 \times 4$	$7 \times (9 + 6) = 7 \times 9 + 7 \times 6$
$2 \times (8 \times 3) = (2 \times 8) \times 3$	$d + e = e + d$	$6(m + 2) = 6m + 12$
$7 \times (9 \times 5) = (7 \times 9) \times 5$	$ab = ba$	$4c + 16 = 4(c + 4)$
$(5 \times 6)9 = 5(6 \times 9)$	$(8 + 5) + 3 = 3 + (8 + 5)$	$4(6 + 3) = 4 \times 6 + 4 \times 3$
$a + (b + c) = (a + b) + c$	$6 + 2 + 7 = 2 + 7 + 6$	$4(3 + 7) = 12 + 28$
$4 + (9 + 5) = (4 + 9) + 5$	$9 \times 2 = 2 \times 9$	$8 \times (3 + 2) = 8 \times 3 + 8 \times 2$
IDENTITY PROPERTY	INVERSE PROPERTY	ZERO PROPERTY
$8 + 0 = 8$	$12 + (-12) = 0$	$9 \times 0 = 0$
$(2 + 3) + 0 = 2 + 3$	$(-25) + 25 = 0$	$d \times 0 = 0$
$7 + 9 = (7 + 9) + 0$	$-5 + 5 = 0$	$0 \times 6 = 0$
$5 \times 1 = 5$	$\frac{4}{5} \times \frac{5}{4} = 1$	$c \times 0 = c$
$7 \times 1 = 7$	$0 = 12 + (-12)$	$100 \times 0 = 0$
$p + 0 = p$	$7 + (-7) = 0$	$24 * 0 = 24$
$10 \times 1 = 10$	$\frac{3}{4} * \frac{4}{3} = 1$	$0 = 16 \times 0$