

# Distributive Property Puzzle

Cut out the squares below and fit together sides so that a problem is matched up with its answer. Show your work on notebook paper on a *minimum* of 20 equations. It may take you fewer than 20 to solve the puzzle or it may take you more, but your final work should have *at least* 20 equations solved to receive full credit. The final puzzle will be a 4 x 4 square. Some problems will not have an answer — these are outside edge pieces.

$0.5$ $30 = (1 - x)5$ $-4$ $7.5$	$8(x + 3) = 10$ $15$ $8 = 1 - (3 - x)2$ $-17$	$-6$ $02 = (1 - x)2$ $9(x - 4) = 81$ $4(x + 3) = 12$	$14$ $07 = (1 - x)8$ $-1$ $-6(x - 4) - 6 = 30$
$0.5(3x - 1) - 5 = -2.5$ $-8(x - 5) = 22$ $3$ $-1 - (x + 2) - 5 = -1$	$3(2x - 3) - 1 = 35$ $6.5$ $21 = (5 - x)2$ $63 = (x + 3) + 15$	$-1.5$ $03 = (1 + x)2$ $1.375$ $42 = 7 + (2 - 3x)5$	$-8$ $81 = (1 - x)9$ $2(x - 3) = 18$ $2$
$5$ $47 = (1 - x)3$ $4.5$ $4(2x - 3) + 15 = -21$	$4(3x - 5) + 7 = 27$ $-0.5$ $87 = (3 - x)4$ $10 = (1 + 3x)4$	$6(x - 1) = 54$ $01 = (3 + x)5$ $-4(x - 2) = 48$ $2(x - 5) - 20 = -2$	$3(x + 4) = -39$ $7$ $32 = (x - 2)8$
$-2$ $08 = (5 - x)10$ $7(2x - 3) = 21$	$6$ $11$ $6 = (1 - x)3$ $-7(2x - 4) - 4 = -25$	$2(2x - 1) - 10 = 30$ $01$ $3(5x - 1) = 9$ $5(x + 2) = -30$	$3.5$ $2.5$ $27 = (1 - x)9$ $-5(2x - 3) = -80$