

Problem	(+/-) =	+/- =	Sum	Product
5(37)	5 (30 + 7)	= 5 • 30 + 5 • 7	= 15 + 35	50
12(13)	12 (10 + 3)	= 12 • 10 + 12 • 3	= 120 + 36	156
100(52)	100(50 + 2)	= 100(50) + 100(2)	= 5000 + 200	5200
8(17)	8(10 + 7)	= 8 • 10 + 8 • 7	= 80 + 56	136
2(99)	2(90 + 9)	= 2 • 90 + 2 • 9	= 180 + 18	198
7(35)	7 (30 + 5)	= 7 • 30 + 7 • 5	= 210 + 35	245
4(14)	4(10 + 4)	= 4 • 10 + 4 • 4	= 40 + 16	56
30(7)	30(6 + 1)	= 30(6 + 1) ^{30 • 6 + 30 • 1}	= 180 + 30	

OR
3(70) 3(60 + 10)

~~30(60 + 10)~~
3 • 60 + 3 • 10

Math 6 - Unit 3: Expressions
Distributive Property PRACTICE
Name: Key
Class Period: 1 2 3 4 Date: _____

(+/-) =	+/- =	Final Expression
5 (x + 3)	5 • x + 5 • 3	5x + 15
7 (y + 5)	7 • y + 7 • 5	7y + 35
10 (2b + 20)	10 • 2b + 10 • 20	20b + 200
2(x + 9)	2 • x + 2 • 9	2x + 18
6(b - 7)	6 • b - 6 • 7	6b - 42
4(x - 3)	4 • x - 4 • 3	4x - 12
2(j + 1)	2 • j + 2 • 1	2j + 2
8 (2c - 32)	8(2c) - 8(32)	16c - 256

(+/-) =	+/- =	Final Expression
8(n - 5)	8 • n - 8 • 5	8n - 40
12 (3w - 7)	12(3w) - 12(7)	36w - 84
100(x + 9)	100 • x + 100 • 9	100x + 900
15(x + 2)	15 • x + 15 • 2	15x + 30
9(z - 5)	9 • z - 9 • 5	9z - 45
3(x + 11)	3 • x + 3 • 11	3x + 33
77 (9v - 15)	77 • 9v - 77 • 15	693v - 1155
$\frac{1}{2}(x + 4)$	$\frac{1}{2} \cdot x + \frac{1}{2} \cdot 4$	$\frac{1}{2}x + 2$
.25 (n + 10)	.25n + .25 • 10	.25n + 2.5