Name: _____   CCM8

Distributive Property

Definitions

The Distributive Property	
Numerical Examples	
Mental Math Examples	

Simplify:
1. 2(5x + 3)

2. 3(3 – 7t)

3. ½(2m + 4)

4. (3x – 2)7

Negative coefficients:
1. -2(3x + 5y)

2. -10(7a – 2)

3. -(x + y)

4. -5(-y - 8)

Distributing and combining like terms:
1. 5(6 + x) + 3x

2. 2a – 5(a – 3)

3. 3(x + y) + 7(2x + 3y)

4. $11(2c + 7d) - 6(c + d) + 6$

Special cases:
1. $y(3 + z)$

2. $m(m + 12)$

3. $yz^2 + y(z^2 + 7)$