

Enrich**A Number Puzzle**

Rewrite the following algebraic expressions using the Distributive Property. Match each answer with its corresponding letter to reveal the hidden message.

1. $6(x + 2)$ **U** _____
2. $4(x + 3)$ **M** _____
3. $2(x + 6)$ **D** _____
4. $9(1 + x)$ **A** _____
5. $3(x + 3)$ **S** _____
6. $12(x + 1)$ **N** _____
7. $2(x + 2)$ **T** _____
8. $4(3 + x)$ **O** _____
9. $6(x + 6)$ **H** _____
10. $2(x + 12)$ **Y** _____
11. $12(x + 2)$ **C** _____

$\overline{4x + 12}$	$\overline{9 + 9x}$	$\overline{2x + 4}$	$\overline{6x + 36}$
$\overline{12x + 24}$	$\overline{12 + 4x}$	$\overline{6x + 12}$	
$\overline{12x + 12}$	$\overline{2x + 4}$	$\overline{3x + 9}$	
$\overline{9 + 9x}$	$\overline{12x + 12}$	$\overline{2x + 12}$	$\overline{3x + 9}$
$\overline{12 + 4x}$	$\overline{2x + 12}$	$\overline{12 + 4x}$	
$\overline{2x + 24}$	$\overline{12 + 4x}$	$\overline{6x + 12}$	