

Content Standard	<p>MAFS.6.EE Expressions and Equations</p> <p>MAFS.6.EE.1 Apply and extend previous understandings of arithmetic to algebraic expressions.</p> <p>MAFS.6.EE.1.3 Apply the properties of operations to generate equivalent expressions. <i>For example, apply the distributive property to the expression $3(2 + x)$ to produce the equivalent expression $6 + 3x$; apply the distributive property to the expression $24x + 18y$ to produce the equivalent expression $6(4x + 3y)$; apply properties of operations to $y + y + y$ to produce the equivalent expression $3y$.</i></p>																																	
Assessment Limits	<p>Positive rational numbers, values may include exponents. Variables must be included in the expression. No rational number coefficients.</p>																																	
Calculator	No																																	
Item Types	<p>Equation Editor Multiple Choice Multiselect</p>																																	
Context	Allowable																																	
Sample Item		Item Type																																
Create an expression that is equivalent to $3x + 2x + x$, using the fewest terms.		Equation Editor																																
<p>Alyssa attends football games at her school. At each football game, she buys a bottle of water for \$0.75 and a candy bar for \$0.90.</p> <p>Select all expressions that represent the amount of money, in dollars, Alyssa spends after attending 6 football games.</p> <p><input type="checkbox"/> $6(0.75)(0.90)$ <input type="checkbox"/> $6(0.75 + 0.90)$ <input type="checkbox"/> $6(0.75) + 6(0.90)$ <input type="checkbox"/> $6 + 0.75 + 0.90$ <input type="checkbox"/> $(6 + 0.75)(6 + 0.90)$</p>		Multiselect																																
<p>Create an expression without parentheses that is equivalent to $4(6x + x)$.</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <div style="border-bottom: 1px solid #ccc; height: 25px; margin-bottom: 5px;"></div> <div style="display: flex; border-bottom: 1px solid #ccc; padding-bottom: 5px;"> ← → ↶ ↷ ✖ </div> <table border="1" style="border-collapse: collapse; width: 100%; text-align: center;"> <tr> <td style="width: 25px;">1</td><td style="width: 25px;">2</td><td style="width: 25px;">3</td><td style="width: 25px;">x</td><td colspan="4"></td> </tr> <tr> <td>4</td><td>5</td><td>6</td><td>+</td><td>-</td><td>•</td><td>÷</td><td></td> </tr> <tr> <td>7</td><td>8</td><td>9</td><td><</td><td>≤</td><td>=</td><td>≥</td><td>></td> </tr> <tr> <td>0</td><td>.</td><td>$\frac{\square}{\square}$</td><td> </td><td>()</td><td colspan="3"></td> </tr> </table> </div>	1	2	3	x					4	5	6	+	-	•	÷		7	8	9	<	≤	=	≥	>	0	.	$\frac{\square}{\square}$		()					Equation Editor
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