

Content Standard	MAFS.7.EE Expressions and Equations MAFS.7.EE.1 Use properties of operations to generate equivalent expressions. MAFS.7.EE.1.1 Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients.																																	
Assessment Limits	Numbers in items must be rational numbers. Expressions must be linear and contain a variable.																																	
Calculator	Yes																																	
Item Type	Equation Editor Multiple Choice Multiselect Open Response																																	
Context	Allowable																																	
Sample Item		Item Type																																
What is the sum of the two expressions? $\left(\frac{2}{5}x + 3\right) + \left(\frac{1}{5}x - 1\right)$		Equation Editor																																
Find the difference of the two expressions. $\left(\frac{2}{5}x + 5\right) - \left(\frac{1}{5}x - 3\right)$		Equation Editor																																
An expression is shown. $2\left(\frac{3}{5}x + 3\right) - \left(\frac{2}{3}x - 1\right)$ Create an equivalent expression without parentheses.	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px; width: 100%;"></div> <div style="border: 1px solid #ccc; padding: 5px;"> <div style="border-bottom: 1px solid #ccc; padding-bottom: 5px; margin-bottom: 5px;"> ← → ↶ ↷ ✖ </div> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>1</td><td>2</td><td>3</td><td colspan="4">x</td></tr> <tr> <td>4</td><td>5</td><td>6</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>-</td><td>$\frac{\square}{\square}$</td><td>\square^\square</td><td>()</td><td> </td><td>$\sqrt{\square}$</td><td>$\sqrt[\square]{\square}$</td><td>π</td></tr> </table> </div>	1	2	3	x				4	5	6	+	-	•	÷	7	8	9	<	≤	=	≥	>	0	.	-	$\frac{\square}{\square}$	\square^\square	()		$\sqrt{\square}$	$\sqrt[\square]{\square}$	π	Equation Editor
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