



Name: \_\_\_\_\_ Date: \_\_\_\_\_ Hr: \_\_\_\_\_

### Adding & Subtracting Integers with a Graphic Organizer

Column 1	Column 2	Column 3																	
<p><b>Keep, Change, Change</b></p> <p>This column is used for subtraction problems only. If you have an addition problem, move on to column 2.</p> <p>1. <u>5 - 7</u></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">1st #</td> <td style="width: 25%;">Operator (+-x÷)</td> <td style="width: 25%;">2nd #</td> <td style="width: 25%;"></td> </tr> <tr> <td style="text-align: center;">5</td> <td style="text-align: center;">-</td> <td style="text-align: center;">7</td> <td></td> </tr> <tr> <td style="text-align: center;">Keep</td> <td style="text-align: center;">Change</td> <td style="text-align: center;">Change</td> <td></td> </tr> <tr> <td style="text-align: center;">5</td> <td style="text-align: center;">+</td> <td style="text-align: center;">-7</td> <td></td> </tr> </table> <p>Write the last row's expression in columns 2 &amp; 3.</p>	1st #	Operator (+-x÷)	2nd #		5	-	7		Keep	Change	Change		5	+	-7		<p><b>Using + &amp; -</b></p> <p>Expression: <u>5 + (-7)</u></p> <p>a. Show "+"s and "-"s here to represent each #:   <math>+++++ - -</math> (circled -)</p> <p>b. Cancel out zero pairs.</p> <p>c. What do you have left? <u>-2</u></p>	<p><b>Using the Number Line</b></p> <p>Expression: <u>5 + (-7)</u></p> <p>a. Place a dot at the 1<sup>st</sup> number.</p> <p>b. Count spaces to the right if adding a positive number.</p> <p>c. Count spaces to the left if adding a negative number.</p> <p>Where do you end up? <u>-2</u></p> 	<p style="text-align: center;"><b>Same Answer?</b></p> <p>Did you get the same answer both ways? <u>Yes</u></p> <p>If not, check your work.</p>
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5	-	7																	
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<p>This column is used for subtraction problems only. If you have an addition problem, move on to column 2.</p> <p>2. <u>-4 - (-5)</u></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">1st #</td> <td style="width: 25%;">Operator (+-x÷)</td> <td style="width: 25%;">2nd #</td> <td style="width: 25%;"></td> </tr> <tr> <td style="text-align: center;">-4</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-5</td> <td></td> </tr> <tr> <td style="text-align: center;">Keep</td> <td style="text-align: center;">Change</td> <td style="text-align: center;">Change</td> <td></td> </tr> <tr> <td style="text-align: center;">-4</td> <td style="text-align: center;">+</td> <td style="text-align: center;">5</td> <td></td> </tr> </table> <p>Write the last row's expression in columns 2 &amp; 3.</p>	1st #	Operator (+-x÷)	2nd #		-4	-	-5		Keep	Change	Change		-4	+	5		<p>Expression: <u>-4 + 5</u></p> <p>a. Show "+"s and "-"s here to represent each #:   <math>----+ + + + +</math> (circled +)</p> <p>b. Cancel out zero pairs.</p> <p>c. What do you have left? <u>1</u></p>	<p>Expression: <u>-4 + 5</u></p> <p>a. Place a dot at the 1<sup>st</sup> number.</p> <p>b. Count spaces to the right if adding a positive number.</p> <p>c. Count spaces to the left if adding a negative number.</p> <p>Where do you end up? <u>1</u></p> 	<p style="text-align: center;"><b>Same Answer?</b></p> <p>Did you get the same answer both ways? _____</p> <p>If not, check your work.</p>
1st #	Operator (+-x÷)	2nd #																	
-4	-	-5																	
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