Sweet Inequalities: Show Your Work

Write an inequality for each scenario (verbal problem). Then solve each inequality.

| Verbal Problem | | Your Work |
| --- | --- | --- |
| 1) | Mariana donated 2 baked goods for the fundraiser, but that still means there are not more than 12 baked goods to sell. |  |
| 2) | After Nevaeh ate 2 cookies, there were more than 8 cookies remaining. |  |
| 3) | If Marcos makes 2 more pies, he will have at least 12 pies for the birthday party. |  |
| 4) | Jeremiah burned 2 batches of cupcakes, but he still has less than 8 batches of cupcakes. |  |
| 5) | Two inches more than the height of Tyron’s cake is at least  inches. |  |
| 6) | Two more cups of Amir’s cookie dough will give him no more than  cups of cookie dough. |  |
| 7) | If Mika lets her dough rest for an extra  hours, then it will have rested for more than  hours in total. |  |
| 8) | If Amelia reduces the amount of vanilla in the recipe by  teaspoons, then she will have less than 3 teaspoons of vanilla to her mix. |  |

Sweet Inequalities: Your Results

Find the signs that match each given scenario. Write the letters in the corresponding columns.

| Verbal Problem | | Algebraic Problem | Algebraic Solution | Visual Solution |
| --- | --- | --- | --- | --- |
| 1) | Mariana donated 2 baked goods for the fundraiser, but that still means there are not more than 12 baked goods to sell. |  |  |  |
| 2) | After Nevaeh ate 2 cookies, there were more than 8 cookies remaining. |  |  |  |
| 3) | If Marcos makes 2 more pies, he will have at least 12 pies for the birthday party. |  |  |  |
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| 5) | Two inches more than the height of Tyron’s cake is at least  inches. |  |  |  |
| 6) | Two more cups of Amir’s cookie dough will give him no more than  cups of cookie dough. |  |  |  |
| 7) | If Mika lets her dough rest for an extra  hours, then it will have rested for more than  hours in total. |  |  |  |
| 8) | If Amelia reduces the amount of vanilla in the recipe by  teaspoons, then she will have less than 3 teaspoons of vanilla to her mix. |  |  |  |