**BLM 7.PR.12D: Representing Equivalent Expressions on a Balance Scale Using Variables for Unknowns (Template)**

|  |  |  |
| --- | --- | --- |
| **Concrete**  **Action** | **Pictorial**  **Representation** | **Symbolic Representation** |
| **Step One**  Conceal the same quantity of blocks in one or more bags. Place the bag and some blocks on one pan of the balance, counting them out loud. |  |  |
| **Step Two**  Balance the scale by counting a quantity of blocks and placing them on the other pan, until it balances. |  |  |
| **Step Three**  Rearrange the quantity on the second pan by concealing the same number of blocks in each of a different number of bags, and leaving the remaining blocks separate. |  |  |
| **Step Four**  Rearrange the blocks in a different way, or tell how many blocks are in a bag. Explain how you know. |  |  |