|  |  |
| --- | --- |
| Teacher: |  |
| Grade(s): |  |
| Date: |  |
| **Describe when and how you will ask students to record and review explanations of their thinking when solving a mathematics problem with a model or visual representation.** | |
| 1. What will be your lesson goal or topic? (e.g., support understanding of subitizing, counting on, equipartitioning) | |
| 2. What mathematics problem will you ask students to solve? | |
| 3. What modeling or representation tools will you have students use to help explain their mathematical thinking?  \_\_\_ Paper and pencil  \_\_\_ Physical manipulative (describe):  \_\_\_ Mobile device tool or app (describe) :  \_\_\_ Other (describe): | |
| 4. What recording tool will you have students use to record explanations of their mathematical thinking?  \_\_\_ Explain EverythingTM  \_\_\_ShowMe  \_\_\_Showbie  \_\_\_Mobile device camera  \_\_\_ Other (please describe): | |
| 5. What strategies to support mathematical talk or discourse will you use with students? (e.g., Math Congress, Gallery Walk, sentence frames) | |
| 6. With whom will students make and review their recordings?  \_\_\_Independently  \_\_\_ In pairs  \_\_\_In small groups  \_\_\_During whole-group discussion  \_\_\_ Other (decsribe): | |
| **Describe how you think students will respond to your strategies.** | |
| 7. How will students respond to the mathematics problems that you will present? | |
| 8. How will students respond to the modeling or representation tools that you will have them use? | |
| 9. How will students respond to the strategies that you will use to promote mathematical talk or discourse? | |
| 10. How will students respond when they make and review recordings of their own mathematical thinking? | |

Other: