

Preliminary Planning Sheet for a Mathematics Portfolio Piece/Task

Title of Task: _____ Content Strand(s) Addressed: _____

State Standard(s) Addressed: _____ Program link: _____

| Underlying Mathematical Concepts | Problem Solving Strategies/Representation | Mathematical Language |
|---|---|--|
| <p>The basic mathematical concept(s) that a student would need to solve the problem. e.g.–AB pattern but not odd/even numbered pattern.</p> | <p>List all possible strategies that a student could use to solve the problem. Most students will use a “typical” strategy but a few may use an unexpected strategy for that grade level.</p> | <p>List the mathematical terms and/or notation that the student’s solution could include. Some students will use terms not expected at their grade level so some should be included on the preliminary planning sheet.</p> |
| Possible Solution(s) | Connections | Related Tasks |
| <p>Examples across a range of strategies can be included. It is not expected that a student be able to apply them all. A range is suggested in order to meet the needs of all students.</p> | <p>List possible connections students could make. The connections should include a range from a simple mathematically relevant observations to the more complex. e.g.–the pattern is counting by two vs the rule is $D + D = B$.</p> | <p>Other tasks linked to this grade level expectation can be found in the Resource Binder.</p> |