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| **Procedure:** Calculating percent solutions for a medication**Time Limit: 2 minutes** | **Possible Points** | **Awarded Points** |
| Student writes amount of active ingredient (solute). | 5 |  |
| Student writes volume of solution. | 5 |  |
| Student converts solute to proper units. | 5 |  |
| Student sets up a g/mL ratio of solute to solution. | 5 |  |
| Student calculates amount of solute to solution by dividing. | 5 |  |
| Student multiplies answer by 100.  | 5 |  |
| Student writes percent solution. | 5 |  |
| Student correctly labeled all amounts at each step with proper units. | 5 |  |
| **Total Points x 2.85** |  |  |

Example: What is the percent solution of Clindamycin Oral Solution 75mg/5mL?

Solute: 75mg

Solution: 5mL

Convert mg to g: 75mgX 1g/1000mg

Ration: .075g/5mL

Calculation: .015g/mL

Percent: .015g/mL X 100

Percent Solution: 1.5%