

Grade 5	Problem Solving Equation
Overview	Students will work in groups, or as a class, and use bubbl.us to complete a problem solving equation.
Objective	<ol style="list-style-type: none"> 1. Students will work as a group to break the problem up into relevant and irrelevant information. 2. The students will work as a group to break the relevant information by sequence, priority, or patterns. 3. The students will use the steps to calculate or configure the answer to the problem.
Standards	<p>5.7.1 Analyze problems by identifying relationships, telling relevant from irrelevant information, sequencing and prioritizing information, and observing patterns.</p> <p>5.7.2 Decide when and how to break a problem into simpler parts.</p>
Material	<ul style="list-style-type: none"> • A problem solving equation. • Computer and Internet access for each group or one for the class.
Procedure	<ol style="list-style-type: none"> 1. The teacher will assign a problem solving equation to each group or to the entire class. 2. The teacher will then explain the tasks that need to be completed on bubbl.us. (I.E. Each bubble that needs to be made and filled in.) 3. Allow each group (or the class) time to work out the equation on bubbl.us.
Evaluation	<p>The students will be evaluated as a group on how well they completed the objectives listed above and as an individual. The following can be used as an example rubric.</p> <p>Group ----</p> <p>Objective 1. Students will work as a group to break the problem up into relevant and irrelevant information. * One bubble for relevant and one bubble for irrelevant information. (1/2 pt a piece) * Placing each piece of information into the correct bubble. (1 pt for each piece of information)</p> <p>** Total 2 pts + Each piece of information. -----</p> <p>Objective 2. The students will work as a group to break the relevant information by sequence, priority, or patterns.</p> <p>* One bubble for each piece of relevant information. (1/2 pt a piece) * Placing information in correct order. (1/2 pt a piece)</p> <p>** Total ((# of correct information) x 1/2) + ((# of correct order) x 1/2) -----</p>

Objective 3. The students will use the steps to calculate or configure the answer to the problem.

* Answer bubble. (1 pt)

* Correct Answer. (5 pts)

** Total 6 pts

Grand total 8 pts + varied point amounts