

Second Grade Lesson Plan: Math

Overview	Students will compute addition and subtraction problems containing double-digit numbers then check their answers using Wolfram Alpha.
Objectives	Students will be able to: <ul style="list-style-type: none">• Complete simple addition and subtraction problems containing double-digit numbers. They will have a 90% accuracy.
Learning Environment	<ul style="list-style-type: none">• Classroom with roughly 25 students• Computer Lab access• Rural or urban school
Type of students	<ul style="list-style-type: none">• Second grade students from multicultural backgrounds
Standards	2.2 Students solve simple problems involving addition and subtraction of numbers up to 100.
Materials	<ul style="list-style-type: none">• Computer with Internet access: To have access to Wolfram Alpha in order to use the site with the mathematical activities.• Pencil• Worksheet with problems
Procedure	<ol style="list-style-type: none">1. Give students the worksheet containing the 10-15 addition and subtraction problems.2. Give students an appropriate time to complete the worksheet individually.3. After students have attempted the problems individually, have them work with a partner to compare answers and work on the problems.4. Next, each pair of students will check their answers using Wolfram Alpha by plugging in the problem to the answer engine. Tell them to use a different color ink to write the correct answers to the problems they missed. Make sure that they show all the steps in their work.
Application	Students will be able to add and subtract double-digit numbers. This is a valuable skill in the real world in several domains of life, so students will benefit from learning this skill.
Evaluation	Students will be graded on the accuracy of their worksheets following the steps listed in the procedure. If students should miss a problem, they should correct the mistake in order to learn from it. Each problem is worth 1 point, and the worksheet is graded on a correct/incorrect basis.