

## Featuring Zuill Bailey: *Cello (Piano Accompaniment)*

### Study Guide: Math

- Objective: To solve problems using the four basic mathematical operations.
- Standard: Grade 4 FL Mathematics Standards: MA.4.A.1.1 Use and describe various models for multiplication in problem-solving situations, and demonstrate recall of basic multiplication and related division facts with ease.  
MA.4.A.4.3 Recognize and write algebraic expressions for functions with two operations.
- Time: 45 minutes
- Materials: pencil, problem solving strategies handout, problem solving worksheet, answer key
- Activity:
1. Teacher explains the class will be working on problem solving involving a music theme.
  2. Review strategies for problem solving (hand out included.)
  3. Do sample problem on the board and go over strategies:  
**You are planting 47 flowers but want them to go**
    - **into 6 rows. How many flowers will be in each row? What strategies do you need to use?**
    - **Answer: 8 flowers in five rows and 7 in one row.**
  4. Ask students to help in solving the problem. The above problem may be difficult for most, so the teacher may need to assist in solving.
  5. Distribute problem solving worksheet to students.
  6. Allow 30 minutes for students to work individually. Then, allow them to work with a partner if needed (don't tell the students initially that they will work with others because they may choose not to try at all on their own.)
  7. Go over answers with the class at the end of the lesson (use attached answer key.)
- Assessment: Teacher will assess students by observation, class and group participation, worksheet.
- Resources: [http://www.abcteach.com/free/p/poster\\_strategiesforwordproblems.pdf](http://www.abcteach.com/free/p/poster_strategiesforwordproblems.pdf)  
[http://math.about.com/od/wordproblem1/ss/gr4wp\\_3.htm](http://math.about.com/od/wordproblem1/ss/gr4wp_3.htm)