

## **Learning Activity for Algebra Rocks** **4<sup>th</sup> Grade**

**Objective:** The students will be able to use algebra to solve a problem.

**Materials:** several word problems

### ALGEBRA ROCKS!

*Sung:*  
A-L-G E-B-R-A!  
Don't let it scare you away.  
Here are terms you need to know.  
Ready, set come on let's go!  
What is this?  
What it is!  
Here's the list:

Expressions. Equations or inequalities.

*Spoken:*  
Sing it with me now!

*Sung:*  
Expressions. Equations or inequalities.

A-L-G E-B-R-A!  
Don't let it scare you away.  
Here are terms you need to know.  
Ready, set come on let's go!  
What is this?  
What it is!  
Here's the list:

Commutative and Associative properties.

*Spoken:*  
Sing it with me now!

*Sung:*  
Commutative and Associative properties.

A-L-G E-B-R-A!

Don't let it scare you away.  
Here are terms you need to know.  
Read-y, set come on let's go!

What is this?  
What it is!  
Here's the list:  
Variables, parenthesis, and formulas.

*Spoken:*  
Sing it with me now!

*Sung:*  
Variables, parenthesis, and formulas.

Put them all together now!  
Soon you'll learn the "why" and "how".  
All the terms you need to know.  
Ready, set come on let's go!

What is this?  
What is this?  
Here's the list:  
Expressions. Equations or inequalities  
Commutative and Associative properties.  
Variables, parenthesis, and formulas.

A-L-G E-B-R-A!

### **Procedure:**

- 1) Play the song.
- 2) Discuss terms in song.
- 3) State the problem. Example: Rayna spent \$6 playing video games and bought two same-priced candy bars for a snack. She spent a total of \$8. How much did each candy bar cost?
- 4) Allow students to discuss how they would solve the problem.
- 5) Teacher should incorporate algebra terminology to the discussion.
- 6) Students in groups of 4 will solve 4 more problems, writing down all of their thinking in their journal.

**Evaluation:** Teacher observation. Students will work 2 additional problems to solve to show solving for an unknown.