

TITLE OF LESSON

Algebra 1 Unit 1 Lesson 38 – Rules for Adding and Subtracting Polynomials, Apples and Oranges, Solving Problems

You Do Speak Math: Creation of the Individual

TIME ESTIMATE FOR THIS LESSON

One class period

ALIGNMENT WITH STANDARDS

California – Algebra 1:

10.0 Students add, subtract, multiply, and divide monomials and polynomials. Students solve multistep problems, including word problems, by using these techniques.

MATERIALS

None

LESSON OBJECTIVES

- To explain and use some rules for adding and subtracting polynomials
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FOCUS AND MOTIVATE STUDENTS

- 1) Homework Check – Stamp/initial complete homework assignments. Pass back graded work and have students place in their folders.
 - 2) [Agenda](#) – Have students copy the posted agenda.
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ACTIVITIES – INDIVIDUAL AND GROUP

1. Polynomials – Reintroduce polynomials. Use apples and oranges as examples. $O + A = 6$
 2. Addition and Subtraction: Polynomials – Explain how one adds and subtracts polynomials. Have the class build some polynomials using variables that the students choose. Use music and art as usual.
 3. Continue with the discussion that we began yesterday about adding and subtracting polynomials.
 4. Homework Review – Go over the homework. If there is time, have students begin.
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HOMEWORK

Come up with 5 examples of a polynomials or a certain type. (oranges + apples) or (cars + trucks) Have the students add the polynomials together. e.g $6O + 7A = 12$ added to $4O + 3A = 13$ equals $10O + 10A = 25$. Write two paragraphs on why adding a bunch of monomials is similar to adding a polynomial.

GROUP ROLES

Students will be working individually during this class period, unless a student needs help.

DOCUMENTATION FOR PORTFOLIO

None
