IM® v.360: Casio Technology Instructions Grade 8 – Unit 7: Exponents and Scientific Notation



Unit 7: Lesson 6 – What about Other Bases?

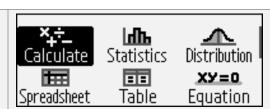
Activity 6.3: Matching Equivalent Exponents

Skill: Use the Calculate app to determine if two expressions are equivalent.

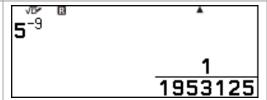
Activity Summary:

This activity encourages students to practice exponent rules by analyzing and identifying which expressions are *not* equivalent to the original expression from two out of four given lists. They are asked to complete this task mentally utilizing different exponent rule strategies. Equivalent expressions will yield equivalent results. Students can check their work by using the Calculate app on the calculator.

Turn on the calculator with the - On button. Press - Home and then use the arrows to highlight the Calculate app.



2. Press either **(R)** or **(st)** to open the **Calculate app**. In the first list, Lin's original expression is **5**-9. Type **(5) (P) (1) (9)**. Press either **(0K)** or **(st)**.



3. **Equivalent expressions** will have equal results. If an expression in the list is *not* equivalent to the original, it will have a different value. To test -5°, type ① ⑤ ② ⑨. Press either ⑩ or . Since these two expressions have different values, they are *not* equivalent.

