7ᵗʰ *Grade Math Culminating Task*

The iPod Dilemma

Big Idea: I can justify and apply properties of rational numbers in simplifying and solving expressions and equations.

Problem: You have been saving up to buy an IPod, (portable music player) and you want to get the best deal for your money.

There is a store in town that is selling them for $300. However, you see an ad from a store in Orange County that is selling the exact same thing for only $275.

To get the cheaper IPod, you have to have your parents drive you to O.C., which will cost them $15 in gas. Given that tax in L.A. is 8.25% and tax in O.C. is 7.75%, which is the better deal?

Role: You are a consumer trying to save money.

Audience: You will be presenting this to your parents to show them which is the better deal.

Task: Please complete the following tasks.

1. Calculate the tax in each store.

2. Calculate the total price of the IPod in each store.

3. Decide which is the better deal for you.

4. Write a short paragraph describing your results. Is it worth the drive to Orange County to get the IPod, or is it better to stay in town?

*Updated 1/19/06