ECO135 (5) October 3rd, 2017 Worksheet

Part 1: Basic Calculation

1. Who is better at cleaning dishes: Lale or Levent?

2. If Lale and Levent work together, how many loads of dishes can they do in one hour?

3. How many minutes would It take for them to wash one load of dishes working together? Show how you got your answer?

4. Who is better at sweeping up and taking out trash: Lale or Levent?

5. If Lale and Levent work together, how many loads of trash can they do in one hour?

6. How many minutes would it take for them to sweep up and take out three loads working together? Show how you got your answer.

Part 2: Analyzing the options

Option 1. The Parents' Plan: First they should both work on the dishes, then they should both tacle the sweeping.

Time to complete one sink full of dishes: ( )

Time to complete three loads of trash: ( )

Time it would take for both to be finished: ( )

Option 2. Lale's Plan: Lale does dishes, Levent does sweeping.

Time to complete one sink full of dishes: ( )

Time to complete three loads of trash: ( )

Time it would take for both to be finished: ( )

Option 3. Levent's Plan: Lale does everything.

Time to complete one sink full of dishes: ( )

Time to complete three loads of trash: ( )

Time it would take for both to be finished: ( )

Option 4. Friend's Plan: Lale does sweeping, Levent does dishes.

Time to complete one sink full of dishes: ( )

Time to complete three loads of trash: ( )

Time it would take for both to be finished: ( )

Which option is the most efficient one? Explain. ( )