Unit Rate Practice II

Solve the following problems in your co-operative group. Organize your solutions neatly. Make certain each member of the group understands the solution. You will be called upon randomly to present a question.

1. You are purchasing pop for a birthday party. The bottles come in different sizes and costs. A 2L bottle costs $2.20; a 1L bottle is on sale for $1.39 and a 500mL (.5 L) bottle costs $0.95. Which bottle(s) will you purchase for your party? Show your calculations and explain your thinking.

2. You are shopping for a cell phone. The number of text messages you can send will be the determining factor for which plan you choose. Plan A offers you 600 texts for $15. Plan B offers you 800 texts for $25. Which plan will you choose? What other factors might help you determine which plan to go with?

3. Which package is more economical? 300 g of jujubes for $2.50, or 500 g of jujubes for $3.20

4. A grocery store sells a case of 24 – 500mL bottles of water for $2.99. They also sell a case of 6 – 1.5L bottles for $2.99. Which bottles are the best buy? What is the unit cost for each deal?

Unit Rate Practice III

Answer the following question. Show your solution. Explain your answer.

The school wishes to purchase 2500 pens and have discovered that 3 stores sell the same model pen. Which store has the best buy?

Store A sells 15 pens for $0.50.
Store B sells 50 pens for $1.70.
Store C sells 30 pens for $0.90.