**Lesson: 1-5**

Title: Setting a Price

**General Outcome(s):** Develop number sense and critical thinking skills

**Specific Outcome(s):** Number #1 – Solve problems that involve unit pricing and currency exchange, using proportional reasoning.

**Required Materials:** Whiteboards, whiteboard markers, windows, smart board

**Corresponding Text:** MathWorks 10- Pg 28-32

**Anticipatory Set :**

  What do these 7 little clue words suggest to you?

Mean, stupid, allergic, tired, timid, healing, content Answer: the 7 dwarfs

**Procedures**: **This is a two day lesson**

1. Students pick up time sheets and fill in date and start time.
2. Hand back the Homework Lesson 2 and go through solutions with students in class- encourage them to copy down any missing steps from their work.
3. Have the students in groups and ask them to discuss Question #4b from page 27 on Unit Price. They can look on their notes if they need to. After about 3-4 minutes, pick one group and get the spokesperson to give the rest of the class a rundown of the answer in their own words.
4. Drill and practice questions.(#1-5 on unit pricing)
5. Ask the students if they know if the price they pay when they buy something is the same price that the stores buy it from the distributor? Why is this?
6. Put up the definition of **mark-up** and talk about them and have the students put these definitions and examples in their **foldables** which they put together in a previous lesson. Ask the students if they know what different markups there are? The list should include: **GST, PST, HST, profit.**
7. Discuss how to write a percent as a decimal and how to write a decimal as a percent.
8. Drill &Practice: Pg 4,Writing a percent as a decimal #1-6, Writing a decimal as a percent #1-6.
9. Go through the examples on the smart board of how to find the percent of a number.
10. Put up the examples of simple GST and PST from the smartboard notes and have the students work on them. After they are done ask the students to explain to the class they got their answers.
11. This is where you can then show them the shortcut way to find GST or PST by adding a 1 in front of the decimal equivalent of the GST, which eliminates the need for the adding step. **This would be done if someone has not done this in the examples already.**
12. Independent Practice: Homework Sheet Lesson 3

Bonus Sheet 2 can be done by any student wishing an extra challenge. (Or for extra credit)

1. Students fill in the end time and the total minutes for the class. If it is Friday, they also fill in the total minutes for the week and convert this to work hours using the ratio ten mins of class time equals 1 hour of work time.