Problem of the Week #10, 11, and 12:  Due Feb 25 (You have almost three weeks to complete the following problems :)

1) When 12 litres are added to a gas tank that is 1/2 full, the tank becomes 2/3 full.  What is the capacity of the tank in litres?

2) One-half of the students of HGI get a ride to school.  One fourth of the remainder take the bus.  The rest of the students walk.
a) What fraction of the student population walk to school?
b) If there are 640 students at HGI, record how many walk, take the bus, and get a ride?

Bonus: Find the number that is half way between 1  3/4 (one and three quarters), and 3  5/8 (three and five eigths)

3) The cost to make a telephone call from Winnipeg to Toyko is $3.25 for the first three minutes, and $0.86 for each additional minute.  How long was a call that cost $7.55?

4) Nic wants to buy a skateboard that has a regular price of $70.00.  Today only the skateboard is on sale for 25% off.  What will the final sale price of the skateboard be including taxes?  How much change will Nic get from a $100 bill?

5) Mikol paid $13.70 for 10 dance lessons.  How much will he have to pay for 24 lessons?

6) The five top players on Kaitlynn’s's basketballball team have an average height of 158.5 cm.  The top six players on Brooklynn's team have an average height of 163.5 cm.  If these top players get together to form an All-Star team what will their average height be?

Bonus  25 students in 7P each contributed $4.75 to buy a gift for Mr. Peterson to thank him for all of these wonderful Problems of the Week.  28 students in 7N each contributed $2.50 (cheapskates) for their gift of thanks for the Problems.  How much more did the 7P gift cost than the one from the "cheapskates" in 7N(just kidding)?