**Raising Money for the Pep Rally**

The following assignment will be handed in for marks. You will collaborate with your team mates but everyone will hand in their own work. You will have part of today’s class to work on this and will finish this up in class tomorrow to hand in.

Be sure to talk about the vocabulary being used. Remember key words like “same”.

There are 25 students in the school’s Pep Club.

1. The Pep Club can buy new uniforms from 2 different suppliers:

Company A charges $500, plus $22 per uniform.

Company B charges $360, plus $28 per uniform.

1. Define a variable, then write an equation that can be used to determine the number of uniforms that will result in equal costs at both companies.
2. Solve the equation.
3. Verify (check) the solution.
4. Which company should the Pep Club Choose? Explain why are you recommending this choice?
5. How much money must the Pep Club raise to purchase the uniforms?
6. The Pep Club decides to raise the money for the uniforms by selling snacks at lunch time. The snacks cost the Pep Club $6.00 for a box of 30.
   1. Determine the cost per snack.
   2. The Pep Club makes a profit of $0.25 on each snack sold. Suppose the club does raise the money it needs. Define a variable, then write an inequality that can be used to determine how many snacks might have been sold. How many boxes of snacks did the members of the Pep Club need?
   3. Solve the inequality.
   4. Verify (check) the solution.