**Math 11 AWP Unit 5 – Slope and Rates of Change**

Assignment 1 – Ratio and Proportion

1. In a juice mixture, 750 mL of water are mixed with 250 mL of juice concentrate. What is the ratio of concentrate to water?
2. To mix a certain shade of green paint, a painter mixes 2.3 L of blue paint with 1.7 L of yellow paint. What is the ratio of blue paint to yellow paint? Express your answer as a fraction.
3. A cereal mixture contains 6 cups of oats, 2 cups of almonds, 1 cup of raisins, and ¾ cups of coconut.
4. What is the ratio of oats to raisins?
5. What is the ratio if almonds to coconut?
6. What is the ratio of oats to the total ingredients in the recipe?
7. A dirt bike requires 15 L of gas to be mixed with 4L of oil. If you use 20 L of gas, how much oil will you need?
8. If 10 cm on a map represents 25 km of actual ground, how many centimetres would 45 km of actual ground be on the map?
9. A recipe for corn chowder includes 3 cups of corn, 2 cups of water, and 1 ½ cups of cream. If you increase the yield of the recipe and use 4 ½ cups of cream, how much corn will you need?