

Percentage and Parts per Million

1. There are a total of 58 students in a class. The last exam had 24% receive an A, 18% receive a B, and the remaining students received a C. How many C's were received?
2. A gaming club has 35% more gamers in Level 1 than in Level 2. There are a total of 145 gamers in Level 1. How many gamers are in Level 2?
3. A compound, NaHCO_3 (baking soda) has a mass of 84.0 g. The percent by mass of Na is 27.4%, C is 14.3%, and H is 1.20%. What is the percentage of oxygen in the compound?
4. A large creek is located by a steel mill. A 2622 g sample of water was found to contain 0.0075 g of Cr^{6+} ion. Chromium (VI) ion is a carcinogen. Calculate the following:

percentage of Cr^{6+}

ppm of Cr^{6+}

ppb of Cr^{6+}