MOLES (F)

1 5.2 g of chromium (Cr) reacts with 4.8 g of oxygen (O_2) to form chromium oxide. Find the molar reacting ratio between chromium and oxygen.

2 0.48 g of hydrazine (N_2H_4) decomposes to form 0.14 g of nitrogen (N_2) and 0.34 g of ammonia (NH_3). Find the molar ratios and use this to give the equation for the reaction.