Conversions Using Moles, Grams, Molecules, and Ions

1. How many moles are in 63.25 g of Fe₃(PO₄)₂?
2. A sample contains 3.26 moles of C_3H_8 . How many grams of C_3H_8 does this correspond to?
3. How many sodium ions are in one mole of sodium carbonate, Na₂CO₃?
4. How many acetaldehyde (C ₂ H ₄ O) molecules are in 232.25 g?
5. How many atoms of carbon are in 25.65 g of $C_8H_{10}N_4O_2$ (caffeine)?