Mixed Mole Conversion Calculations

How many atoms are in 5.2 grams of copper?

$$5.2 \; g \; Cu \quad \times \; \text{———————} \; \times \; \text{———————} \; =$$

How many grams are in 6.8×10^{23} molecules of water?

$$6.8 \times 10^{23} molecules \; H_2O \times \text{———————} \; \times \; \text{———————} \; =$$

How many moles are in 2.7×10^{24} formula units of AgCl?

$$2.7 \times 10^{24} formula \; units \; AgCl \; \times \text{———————} \; =$$

How many grams are in 10.2 moles of O_2?

$$10.2 \; mol \; O_2 \quad \times \text{———————} \; =$$