

Mixed Mole Conversion Calculations

How many atoms are in 5.2 grams of copper?

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

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

$$6.8 \times 10^{23} \text{ molecules H}_2\text{O} \times \text{—————} \times \text{—————} =$$

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

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

How many grams are in 10.2 moles of O₂?

$$10.2 \text{ mol O}_2 \times \text{—————} =$$