

Particles to Moles/Moles to Particles Calculations

How many atoms are in 5.2 moles of copper?

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

How many moles are in 2.24×10^{23} molecules of water?

$$2.24 \times 10^{23} \text{ molecules H}_2\text{O} \times \text{—————} =$$

How many moles are in 5.25×10^{24} formula units of MgS?

$$5.25 \times 10^{24} \text{ formula units MgS} \times \text{—————} =$$

How many molecules are in 10.2 moles of O_2 ?

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