

Name _____ **answer key** _____ Date _____

Mole Conversions Worksheet

How many molecules are in 0.400 moles of dinitrogen pentoxide?

2.408×10^{23}

Determine the mass, in grams, of 2.6 moles of angelic acid, $\text{C}_5\text{H}_8\text{O}_2$.

260 g

How many moles of magnesium is 3.01×10^{22} atoms of magnesium?

0.05 moles

How many moles are 1.20×10^{25} atoms of phosphorous?

19.93 moles

How many molecules are there in 4.00 moles of glucose, $\text{C}_6\text{H}_{12}\text{O}_6$?

2.408×10^{24}

How many atoms are in 0.750 moles of zinc?

4.515×10^{23}