

1. How many moles are in 1.0×10^9 atoms?
2. How many formula units are in 5.33 mol of CuCl_2 ?
3. How many moles of Cl atoms are in 5.33 mol of CuCl_2 ?
4. How many O atoms are in 3.15 mol of SnO_2 ?
5. How many atoms are in 7.2 mol of chlorine?
6. How many copper atoms are in 5.33 mol of CuCl_2 ?
7. How many moles of CuCl_2 contain 1.2×10^{23} atoms of Cl?
8. How many O atoms are in 1.25 mol of SO_2 ?
9. How many moles of O atoms do you have when you have 1.20×10^{23} N_2O molecules?
10. How many moles of Na are in 42 g of Na?
11. How many moles of O are in 8.25 g of O?
12. How many moles of C_2H_6 are in 124 g?
13. How many moles of CO molecules are in 52 g of CO?
14. How much does 2.18 mol of Cu weigh?
15. What is the mass of 0.28 mol of iron?
16. How many moles of CCl_4 are there in 56 g?
17. How much does 2.50 mol of H_2SO_4 weigh?
18. How much does 0.25 mol of Fe_2O_3 weigh?
19. How many molecules are there in 52 g of CO?
20. How many formula units are in 22.4 g SnO_2 ?
21. How many molecules are in 116 g CCl_4 ?
22. How many H atoms are in 17.5 g $(\text{NH}_4)_2\text{C}_2\text{O}_4$?
23. What is the mass of 1.20×10^{23} atoms of sulfur?
24. What is the mass of 3.01×10^{23} formula units of Fe_2O_3 ?
25. What is the mass of 1.2×10^{23} molecules of CO?
26. How many atoms are in 36 g of bromine?