

Name: _____

Period: _____

Moles and Mass Worksheet

Determine the number of *moles* in each of the quantities below.

1. 25.0 g of NaCl _____

2. 125.5 g of H₂SO₄ _____

3. 100.5 g of KMnO₄ _____

4. 74.0 g of KCl _____

5. 35.9 g of CuSO₄ · 5H₂O _____

6. 109.5 g of LiBr _____

7. 33.45 g of KNO₃ _____

8. 15.95 g of Ca(NO₃)₂ _____

9. 12.65 g of Potassium Sulphate _____

10. 156.98 g of Lead (IV) Chromate _____

11. 0.9568 g of Tin (II) Iodide _____

12. 12.65 g of Titanium (III) Cyanide _____

13. 15.65 g of Ammonium Chlorate _____

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Determine the number of *grams* in each of the quantities below.

14. 2.5 moles of NaBr _____

15. 0.50 moles of H_2CO_3 _____

16. 1.70 moles of CaMoO_4 _____

17. 0.25 moles of CsCl _____

18. 3.2 moles of $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$ _____

19. 3.75 moles of CoC_2O_4 _____

20. 4.15 moles of CO _____

21. 0.795 moles of O_2 _____

22. 6.25 moles of PbO _____

23. 9.15 moles of NaBrO _____

24. 2.25 moles of SnSO_3 _____

25. 1.86 moles of AuBO_3 _____

26. 2.15 moles of CuHPO_4 _____

27. 0.750 moles of CrAsO_4 _____