

Name: _____



EXTENDED PRACTICE: SCIENTIFIC NOTATION

Part I: Write each number using scientific notation.

- | | |
|----------------------|--------------------------|
| 1. 9,300 _____ | 2. 0.928 _____ |
| 3. 0.0199 _____ | 4. 0.05 _____ |
| 5. 120,000 _____ | 6. 2,750,000 _____ |
| 7. 0.67 _____ | 8. 0.000018 _____ |
| 9. 0.02 _____ | 10. 10,800 _____ |
| 11. 52,000,000 _____ | 12. 51,309,000,000 _____ |

Part II: Write each number using standard notation.

- | | |
|------------------------------|----------------------------------|
| 1. 2.43×10^3 _____ | 2. 6.49×10^5 _____ |
| 3. 7×10^{-3} _____ | 4. 2.29×10^6 _____ |
| 5. 9.44×10^4 _____ | 6. 8.3×10^{-3} _____ |
| 7. 5×10^{-2} _____ | 8. 3.11×10^3 _____ |
| 9. 8.09×10^3 _____ | 10. 7.004×10^9 _____ |
| 11. 3.17×10^8 _____ | 12. 2.006×10^{-4} _____ |

ANSWER KEY

Part I: Write each number using scientific notation.

- | | |
|----------------------------------|--|
| 1. 9,300 9.3×10^3 | 2. 0.928 92.8×10^{-1} |
| 3. 0.0199 1.99×10^{-2} | 4. 0.05 9.3×10^3 |
| 5. 120,000 1.2×10^5 | 6. 2,750,000 2.75×10^6 |
| 7. 0.67 6.7×10^{-1} | 8. 0.000018 1.8×10^3 |
| 9. 0.02 2×10^{-2} | 10. 10,800 1.08×10^4 |
| 11. 52,000,000 5.2×10^7 | 12. 51,309,000,000 5.1309×10^{10} |

Part II: Write each number using standard notation.

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|---|--|
| 1. 2.43×10^3 2,430 | 2. 6.49×10^5 649,000 |
| 3. 7×10^{-3} 0.007 | 4. 2.29×10^6 2,290,000 |
| 5. 9.44×10^4 94,400 | 6. 8.3×10^{-3} 0.0083 |
| 7. 5×10^{-2} 0.05 | 8. 3.11×10^3 3,110 |
| 9. 8.09×10^3 8,090 | 10. 7.004×10^9 7,004,000,000 |
| 11. 3.17×10^8 317,000,000 | 12. 2.006×10^{-4} 0.0002006 |