

Worksheet: Scientific Notation

1. Write 3,200,000 in scientific notation.
 - a. 3.2×10^5
 - b. 3.2×10^6
 - c. 32×10^5
 - d. 0.32×10^7
2. Express 0.00047 in scientific notation.
 - a. 4.7×10^{-4}
 - b. 4.7×10^{-3}
 - c. 47×10^{-5}
 - d. 0.47×10^{-3}
3. Which number is equal to 7.5×10^3 ?
 - a. 75,000
 - b. 750
 - c. 7,500
 - d. 75
4. Convert 2.09×10^{-2} to standard form.
 - a. 0.0209
 - b. 0.209
 - c. 0.00209
 - d. 2.09
5. What is the scientific notation for 58,000?
 - a. 5.8×10^4
 - b. 5.8×10^3
 - c. 58×10^3
 - d. 0.58×10^5

6. Which of the following is written correctly in scientific notation?
- a. 6.1×10^7
 - b. 61×10^6
 - c. 0.61×10^8
 - d. 610×10^5
7. Express 0.00089 in scientific notation.
- a. 8.9×10^{-3}
 - b. 8.9×10^{-4}
 - c. 0.89×10^{-4}
 - d. 89×10^{-5}
8. Which of the following is 4,200,000 in scientific notation?
- a. 4.2×10^6
 - b. 4.2×10^5
 - c. 42×10^5
 - d. 0.42×10^7
9. Which number is equal to 9.3×10^{-3} ?
- a. 0.093
 - b. 0.0093
 - c. 0.00093
 - d. 0.93
10. Convert 0.0056 to scientific notation.
- a. 5.6×10^{-2}
 - b. 0.56×10^{-2}
 - c. 5.6×10^{-3}
 - d. 56×10^{-4}

11. What is the standard form of 1.25×10^5 ?
- a. 125,000
 - b. 12,500
 - c. 1,250
 - d. 1,250,000
12. Which of the following numbers is written in scientific notation?
- a. 30×10^{-7}
 - b. 0.3×10^{-5}
 - c. 3.0×10^{-6}
 - d. 300×10^{-8}
13. Express 670,000 in scientific notation.
- a. 6.7×10^5
 - b. 67×10^4
 - c. 0.67×10^6
 - d. 6.7×10^6
14. Which of the following is NOT a correct scientific notation for a number?
- a. 12.5×10^3
 - b. 1.25×10^4
 - c. 4.6×10^{-2}
 - d. 7.8×10^5
15. Convert 2.34×10^2 to standard form.
- a. 234
 - b. 2,340
 - c. 23.4
 - d. 0.234