

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

Questions

1. Write 0.0000000003457 in scientific notation.
2. Write 45,000 in scientific notation.
3. Write 0.0062 in scientific notation.
4. Write 980,000,000 in scientific notation.
5. Write 0.00032 in scientific notation.
6. Convert 5.27×10^6 to standard form.
7. Convert 3.01×10^{-5} to standard form.
8. Convert 1.2×10^3 to standard form.
9. Convert 7.89×10^{-2} to standard form.
10. Write 123,456,789 in scientific notation.
11. Write 0.0000001 in scientific notation.
12. Write 250 in scientific notation.
13. Write 0.045 in scientific notation.
14. Multiply: $(3 \times 10^4) \times (2 \times 10^3)$. Give answer in scientific notation.
15. Multiply: $(4.5 \times 10^{-3}) \times (2 \times 10^2)$. Give answer in standard form.
16. Divide: $(6 \times 10^5) \div (3 \times 10^2)$. Give answer in scientific notation.
17. Divide: $(8 \times 10^{-4}) \div (4 \times 10^2)$. Give answer in scientific notation.
18. Add: $3.2 \times 10^4 + 4.5 \times 10^3$. Give answer in scientific notation.
19. Subtract: $5.0 \times 10^6 - 2.5 \times 10^5$. Give answer in scientific notation.
20. Which is larger: 2.3×10^5 or 1.8×10^6 ?
21. The average Earth–Moon distance is about 384,400 km. Express this distance in meters using scientific notation.
22. Write 0.00000075 in scientific notation.
23. The speed of light is about 300,000,000 $\frac{m}{s}$. Write this in scientific notation.
24. Convert 6.02×10^{23} to standard form (write the full integer).
25. Write 0.0000000000001 in scientific notation.
26. Convert 9.345×10^2 to standard form.
27. Write 72,000,000 in scientific notation.
28. Write 0.000091 in scientific notation.
29. Add: $2.5 \times 10^3 + 3.75 \times 10^2$. Give the result in scientific notation.
30. Subtract: $1.2 \times 10^{-3} - 3.4 \times 10^{-4}$. Give the result in scientific notation.
31. Multiply: $3.4 \times 10^{-2} \times 2 \times 10^3$. Give the result in standard form.



Math Worksheet for 8th Grade

Scientific notation intro

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32. Divide: $5.0 \times 10^9 \div 2.5 \times 10^3$. Give the result in scientific notation.
33. Write 0.00000004567 in scientific notation.
34. Write 9,800 in scientific notation.
35. Write 0.000000123 in scientific notation.
36. Write 1,000,000,000,000 in scientific notation.
37. Convert 9.46×10^{15} (meters) to standard form.
38. Write 7,530,000,000 in scientific notation.
39. Round 0.0006789 to 3 significant figures and express the result in scientific notation.
40. Write 45.0 in scientific notation.
41. Multiply: $6 \times 10^4 \times 5 \times 10^{-2}$. Give the answer in scientific notation.
42. Divide: $9 \times 10^{-3} \div 3 \times 10^4$. Give the answer in scientific notation.
43. The average Sun–Earth distance is 149,600,000 km. Express this distance in meters using scientific notation.
44. A typical bacterium is about 0.000002 meters long. Express this length in scientific notation.
45. Write one millionth of a gram (0.000001 g) in scientific notation.
46. Write 0.00045 in scientific notation.
47. Write 3.456×10^3 in standard form.
48. Write 0.0000009 in scientific notation.
49. Add: $1.2 \times 10^4 + 8.8 \times 10^3$. Give the result in scientific notation.
50. Subtract: $4.0 \times 10^{-6} - 1.5 \times 10^{-6}$. Give the result in scientific notation.