

# Scientific Notation PRACTICE

1. Express the following numbers in scientific notation.

a. 19.03

b. 3403

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c. 0.1874

d. 0.000006300

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2. Express the following numbers in decimal notation.

a.  $2.70 \times 10^{-6}$

b.  $4.73 \times 10^2$

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c.  $5.65 \times 10^{-1}$

d.  $6.0019 \times 10^4$

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3. Carry out the following calculations, expressing each answer in scientific notation. **Do NOT input parentheses in your calculator.**

a.  $(2.46 \times 10^3) \times (1.47 \times 10^3)$

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b.  $(4.096 \times 10^{-3}) \times (1.214 \times 10^4)$

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c.  $(8 \times 10^{-9}) \times (1.711 \times 10^{-1})$

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d.  $(3.066 \times 10^{-7}) \times (3.00 \times 10^{-8}) \times (9.0 \times 10^{13})$

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4. Carry out the following calculations, expressing each answer in scientific notation. **Do NOT input parentheses in your calculator.**

a.  $(3.30 \times 10^9) \times (4.30 \times 10^{-7})$

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b.  $(6.75 \times 10^{-1}) \times (5.16 \times 10^{-3})$

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c.  $(3.070 \times 10^{-10}) \times (9.60 \times 10^8)$

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d.  $(9.6 \times 10^2) \times (8.20 \times 10^2) \times (7.100 \times 10^2)$

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5. Carry out the following calculations, expressing each answer in scientific notation. **Do NOT input parentheses in your calculator.**

a.  $\frac{7.0 \times 10^5}{8.0 \times 10^3}$

b.  $\frac{3.791 \times 10^5}{2.730 \times 10^{-4}}$

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c.  $\frac{9.87 \times 10^6}{3.001 \times 10^2}$

d.  $\frac{3.747 \times 10^{-5}}{7 \times 10^6}$

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6. Carry out the following calculations, expressing each answer in scientific notation. **Do NOT input parentheses in your calculator.**

a.  $\frac{(3.20 \times 10^5) \times (5.00 \times 10^3) \times (7.00 \times 10^6)}{9.0 \times 10^7}$

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b.  $\frac{4.181 \times 10^{-3}}{(3.043 \times 10^{-6}) \times (9.2760 \times 10^{-5})}$

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c.  $\frac{(8 \times 10^5) \times (9 \times 10^{-5})}{(4 \times 10^2) \times (2 \times 10^{-10})}$

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d.  $\frac{(3.90 \times 10^6) \times (2.6 \times 10^3) \times (8.10 \times 10^3)}{(2.92 \times 10^2) \times (8.584 \times 10^6)}$

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