

## Chemistry Scientific Notation

NAME \_\_\_\_\_

Per. \_\_\_\_\_

### Convert to scientific notation

1. 9500
2. 0.0014
3. 1,920,000
4. 0.00005678
5. 1,200,000,000,000,000
6. .0000455
7. .0000000876
8. 5,550,000,000

### Answer

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### Convert to decimal notation

9.  $3.56 \times 10^6$
10.  $4.20 \times 10^{-2}$
11.  $1.45 \times 10^{-8}$
12.  $9.90 \times 10^9$
13.  $2.50 \times 10^3$
14.  $4.00 \times 10^{-3}$
15.  $8.26 \times 10^6$
16.  $4.44 \times 10^{-10}$

### Answer

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**Perform the mathematical procedure (Multiplication) (EXP, EE, 10<sup>X</sup>)**

**Answer**

17.  $(3.56 \times 10^6)(7.20 \times 10^2)$

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18.  $(5.00 \times 10^{10})(6.0 \times 10^{20})$

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20.  $(5.00 \times 10^4)(2.00 \times 10^{-5})$

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21.  $(4.50 \times 10^{-8})(3.20 \times 10^6)$

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22.  $(7.20 \times 10^{-7})(1.95 \times 10^{-4})$

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23.  $(3.00 \times 10^{30})(4.00 \times 10^{50})$

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24.  $(2.50 \times 10^{-20})(7.50 \times 10^{40})$

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**Perform the mathematical procedure (Division) (EXP, EE, 10<sup>X</sup>)**

**Answer**

25.  $(6.40 \times 10^9) / (1.60 \times 10^2)$

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26.  $(9.20 \times 10^3) / (2.30 \times 10^6)$

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27.  $(1.035 \times 10^{-3}) / (4.50 \times 10^2)$

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28.  $(2.80 \times 10^{-8}) / (4.4 \times 10^6)$

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29.  $(7.20 \times 10^{-7}) / (1.95 \times 10^{-4})$

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30.  $(5.00 \times 10^{20}) / (6.0 \times 10^{10})$

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31.  $(3.00 \times 10^{20}) / (4.00 \times 10^{35})$

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32.  $(2.50 \times 10^{-40}) / (7.50 \times 10^{50})$

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