Practice 4-9

Scientific Notation

Write each number in standard notation.

1. 3.77×10^4 _____

2. 8.5×10^3 _____

3. 9.002×10^{-5} _____

4. 1.91×10^{-3} _____

Write each number in scientific notation.

5. Pluto is about 3,653,000,000 mi from the sun. _____

6. There are 63,360 in. in a mile. _____

7. At its closest, Mercury is about 46,000,000 km from the sun. _____

8. 77,250,000 _____

9. 526,000 _____

10. 8 billion _____

11. 8,100,000 _____

12. 0.00000073 _____

13. 0.000903 _____

Multiply. Express each result in scientific notation.

14. $(2 \times 10^5)(3 \times 10^2)$

_____

15. $(1.5 \times 10^5)(4 \times 10^9)$

_____

16. $(6 \times 10^{-4})(1.2 \times 10^{-3})$

_____

17. $(5 \times 10^3)(1.7 \times 10^{-5})$

_____

Order from least to greatest.

18. $72 \times 10^5, 6.9 \times 10^6, 23 \times 10^5$

_____

19. $19 \times 10^{-3}, 2.5 \times 10^{-4}, 1.89 \times 10^{-4}$

_____

20. An ounce is 0.00003125 tons. Write this number in scientific notation.

_____

21. A century is 3,153,600,000 seconds. Write this number in scientific notation.

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