

Lesson 6 Homework Practice

Scientific Notation

Write each number in standard form.

1. 9.03×10^2

2. 7.89×10^3

3. 4.115×10^5

4. 3.201×10^6

5. 5.1×10^{-2}

6. 7.7×10^{-5}

7. 3.85×10^{-4}

8. 1.04×10^{-3}

Write each number in scientific notation.

9. 4,400

10. 75,000

11. 69,900,000

12. 575,000,000

13. 0.084

14. 0.0099

15. 0.000000515

16. 0.0000307

17. Which number is greater: 3.5×10^4 or 2.1×10^6 ?

18. Which number is less: 7.2×10^7 or 9.9×10^5 ?

- 19. POPULATION** The table lists the populations of five countries. List the countries from least to greatest population.

Country	Population
Australia	2×10^7
Brazil	1.9×10^8
Egypt	7.7×10^7
Luxembourg	4.7×10^5
Singapore	4.4×10^6

- 20. SOLAR SYSTEM** Pluto is 3.67×10^9 miles from the Sun. Write this number in standard form.
- 21. MEASUREMENT** One centimeter is equal to about 0.0000062 mile. Write this number in scientific notation.
- 22. DISASTERS** In 2005, Hurricane Katrina caused over \$125 billion in damage in the southern United States. Write \$125 billion in scientific notation.