

Guided Practice

Write each number in scientific notation. (Explore Activity and Example 1)

1. 58,927

Hint: Move the decimal left 4 places.

3. 6,730,000

5. An ordinary quarter contains about 97,700,000,000,000,000,000 atoms.

2. 1,304,000,000

Hint: Move the decimal left 9 places.

4. 13,300

6. The distance from Earth to the Moon is about 384,000 kilometers.

Write each number in standard notation. (Example 2)

7. 4×10^5

Hint: Move the decimal right 5 places.

9. 6.41×10^3

8. 1.8499×10^9

Hint: Move the decimal right 9 places.

10. 8.456×10^7

11. 8×10^5

12. 9×10^{10}

13. Diana calculated that she spent about 5.4×10^4 seconds doing her math homework during October. Write this time in standard notation. (Example 2)

14. The town recycled 7.6×10^6 cans this year. Write the number of cans in standard notation. (Example 2)



ESSENTIAL QUESTION CHECK-IN

15. Describe how to write 3,482,000,000 in scientific notation.
