

Practice Problems

Day 1

- Which of the following is the correct way to write 0.00174 in scientific notation?
 - 1.74×10^3
 - 1.74×10^{-3}
 - 17.4×10^{-3}
 - 17.4×10^3
- What is 124,000,000 written in scientific notation?
 - 124×10^6
 - 12.4×10^7
 - 1.24×10^8
 - 0.124×10^9

Short Answer

This headline appeared in a newspaper.

Every day 7% of Americans eat at Giantburger restaurants

Decide whether this headline is true using the following information.

- There are about 8×10^3 Giantburger restaurants in America.
- Each restaurant serves on average 2.5×10^3 people every day.
- There are about 3×10^8 Americans.

Explain your reasons and show clearly how you figured it out.