

Scientific Notation

Write each number in Scientific Notation

- ① 3,610 ② 141,000,000 ③ 0.0031

Write each number in Standard Form

- ④ 6.81×10^9 ⑤ 7.11×10^{-4}

Evaluate. Express the answer in Scientific Notation

⑥ $(3 \times 10^{10})(2 \times 10^3)$ ⑦ $(4.1 \times 10^{-3})(2 \times 10^7)$

⑧ $\frac{8 \times 10^6}{8 \times 10^2}$

⑨ $\frac{3.5 \times 10^{10}}{7 \times 10^7}$

Application

- ⑩ the surface area of Lake Superior is $8 \times 10^4 \text{ km}^2$. the surface area of Lake Ontario is $18,100 \text{ km}^2$. About how many times as great is the area covered by Lake Superior to Lake Ontario?

Answers

① 3.61×10^3 ② 1.41×10^8 ③ 3×10^{-3}

④ 6,810,000,000 ⑤ 0.000711 ⑥ 6×10^{13}

⑦ 8.2×10^4 ⑧ 1×10^4 ⑨ 5×10^2

⑩ about 4.4 times as great