

Physics : worksheet 2

1. The Washington Monument is reported to be 555 ft 5 1/8 in high. What is its height in meters?
2. On a certain day, the speed of sound is 345 m/s. Find this speed in km/hr, feet/s, and in miles/hr.
3. A lake has an area of $6.0 \times 10^8 \text{ m}^2$. A layer of water 1.9 mm thick evaporates over the course of one week. What is the mass in kilograms of the evaporated water if $1 \text{ cm}^3 = 1 \text{ g}$?
4. The speed of a car is 96.0 km/hr. Find the speed of the car in m/s, miles/hr, and feet/sec.

5. Mount Kosciusko in Australia is 2,228 m high. Lake Eyre is 16.0 m below sea level. What is the difference in altitude of these two Australian geologic structures?