

Physics 121MA/Math 122PH
Fermi Estimate Problems

How many tons of steel are there in the Empire State Building? You can compare your estimate to the real value: lobby info (212) 736-3100. The info is on a postcard, you will need to use all of your social skills to get the receptionist to look it up for you.

How much snow is there on Mount Rainier in midwinter?

How many people could take a shower with the amount of water that falls on Tacoma on a very rainy day?

How many dentists with the first name of Thomas practice in Wichita, Kansas?

How many ping-pong balls would fit into our lecture hall?

How many square miles of the continental United States are paved? What percentage of the total area is this?

If you had a very long roll of toilet paper, and you folded it in half fifty times, how thick would the resulting pile be?

I have agreed to hire you for one month. I agree to pay you \$1000 per day for thirty days, or I will pay you one penny on the first day and double your pay on subsequent days. How would you like to be paid?

How deep a hole can you dig?

How many piano tuners are there in New York City?