



Team

Rank

Fermi Questions

- | | | | |
|----|--|----------------------------------|-----------------------|
| 1 | If a fly lands on the Queen Mary 2 ocean liner, how much lower in the water will the ship settle? | <input type="text" value="-12"/> | m |
| 2 | Based on their sales in the mid 1990s, how long would it take MacDonald's to sell a mole of hamburgers? | <input type="text" value="14"/> | years |
| 3 | How long would it take the sound from a volcano's eruption to travel around the Earth and arrive back at the volcano? | <input type="text" value="4"/> | sec |
| 4 | When comet Shoemaker-Levy 9 collided with Jupiter, how much energy was deposited by the largest cometary fragment? | <input type="text" value="22"/> | J |
| 5 | If you were to print 1 Tbyte of plain text at this font size on double-sided A4 paper, how thick would the resulting stack of paper be? | <input type="text" value="7"/> | mm |
| 6 | If the bacterium Physica Olympicum divides into two every 5 minutes, how many bacteria will there be after a day if none die? | <input type="text" value="87"/> | |
| 7 | What is the mass of a uranium atom? | <input type="text" value="-24"/> | kg |
| 8 | If £10 was deposited in a bank account in 1881 with a fixed interest rate of 5% and no money was withdrawn, how much is now in the account? | <input type="text" value="4"/> | £ |
| 9 | If all of the Earth's oceans were transported to the Moon, what would be the average depth of the 'lunar ocean'? | <input type="text" value="5"/> | m |
| 10 | How much salt is there in the Mediterranean sea? | <input type="text" value="17"/> | kg |
| 11 | If the Eiffel Tower melted, forming a puddle of iron equal in area to the square that circumscribes its four feet, how deep would the puddle be? | <input type="text" value="-1"/> | m |
| 12 | What is the angular momentum of the Earth spinning on its axis? | <input type="text" value="34"/> | kg m ² / s |
| 13 | By how much could an asteroid, 1 km in diameter, change the angular momentum of the Earth if it made a grazing impact at the equator? | <input type="text" value="-9"/> | % |
| 14 | How many people were in the Beatles? | <input type="text" value="1"/> | |