



Team

Rank

Fermi Questions

- | | | | |
|----|---|---------------------------------|-------------------|
| 1 | How many LPO mugs would it take to fill a volume equal to the Great Pyramid at Giza? | <input type="text" value="10"/> | |
| 2 | How many atoms are there in the Earth's atmosphere? | <input type="text" value="44"/> | |
| 3 | What is the power output of the Sun if the Earth receives 1 kW per square metre at the equator? | <input type="text" value="26"/> | W |
| 4 | What is the wavelength of a 3 THz electromagnetic wave? | <input type="text" value="-4"/> | m |
| 5 | How many seconds have elapsed since the apple (allegedly) fell on Newton's head? | <input type="text" value="10"/> | s |
| 6 | What is the density of a neutron star? | <input type="text" value="17"/> | kg/m ³ |
| 7 | How many 200mm diameter frisbees have the same area as the grass on the green outside? | <input type="text" value="5"/> | |
| 8 | What is the angular momentum of the Earth orbiting the Sun? | <input type="text" value="40"/> | SI units |
| 9 | In air, how far does an molecule travel before colliding with another at room temperature | <input type="text" value="-7"/> | m |
| 10 | What force is produced by one of the space shuttle's booster rockets? | <input type="text" value="7"/> | N |
| 11 | If you print 1 Tbyte of plain text (this font/size, A4, double-sided), how thick would the stack of paper be? | <input type="text" value="4"/> | m |
| 12 | How much does one litre of air weigh? | <input type="text" value="-2"/> | N |
| 13 | What area of land would be required to hold the entire population of the world standing shoulder-to-shoulder? | <input type="text" value="3"/> | km ² |
| 14 | How many sides does a square have? | <input type="text" value="1"/> | |