



$$x = 10^n$$

## *Fermi Quiz*

- Aim*** To estimate the values of various quantities
- Method***
- For each of the questions listed on the next sheet, give the *integer* closest to the *base 10 logarithm* of the answer (*i.e.* if the answer is  $10^n$ , give  $n$  to the nearest integer)
  - The mark given to each question will be the difference between the value given and the correct value
- Conditions***
- The answer must be given in the units specified
  - For those quantities that must be guessed the judge's decision is final (*i.e.* the judge is always right, even when he's wrong)
- Time limit*** To be completed by the end of the fourth event
- Ranking*** The ranking order will be determined by the sum of the marks for all of the questions – the lowest marks get the highest rank