



$$x = 10^n$$

## Fermi Quiz

- Aim** To estimate the values of various quantities.
- Method**
- For each of the questions listed on the 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).
  - No access to electronic information storage allowed.
  - No crib sheets.
- 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 (lowest mark = highest rank).