



4. According to one astronomer, there are one hundred thousand million galaxies in the universe, each containing one hundred thousand million stars. How many stars is that altogether?
- A  $10^{13}$       B  $10^{22}$       C  $10^{100}$       D  $10^{120}$       E  $10^{121}$

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4. **B** One hundred thousand million is  $10^2 \times 10^3 \times 10^6 = 10^{11}$ . So the number of stars is  $10^{11} \times 10^{11} = 10^{22}$ .