Multiplying Exponents

Read the question and answer the following
in a single exponent.

1) The storage of a computer is 512 gigabytes. Find the storage of a computer in bytes. Express your answer as an exponent. (1 gigabyte = 2^{30} bytes)

2) The size of a red blood cell is 0.000007 m and the size of a plant cell is 0.00001275 m. Find the ratio of the size of red blood cell to that of plant cell.

3) The cell of bacteria doubles itself after every 1 hour. How many cells will there be after 8 hours?

4) At the end of the 21th century, the world's population was approximately 6.125 × 10^9. Express this population in usual form.

5) Weight of moon is (7.346 × 10^{22}) kg and weight of Earth is (5.9724 × 10^{24}) kg. What is the total weight of both in standard form?