Dimensional Analysis

1. How many seconds are there in 5 minutes?

2. How many grams are in 3 kilograms?

3. How many metres are there in 12 kilometres?

4. How many milligrams are there in 22 kilograms?

5. How many centimetres are there in 6 kilometres?

6. How many millilitres are there in 4 litres?

7. How many minutes are there in a year?

8. There are 0.45kg in one pound. If a student has a mass of 120 lb, what is his mass in milligrams?

9. There are 12 inches in a foot and there are 3.28 feet in one metre. Alex is 6ft, 2 inches tall. What is his height in metres? 6+2 inches = 6+3=6, 1006+

10. Has one mole (6.02 x 10²³) of seconds gone by since the Bing Bang occurred 13.8 bya?