Earth to Alpha Centauri
1 =) We want to convert the distance below to steps
Earth < / > Alpha Contauri (Distance) 4.3 light-years = 7 Steps (Distance)
Given! 18tep = 2.5 ft.
speed of light = 1.86×10° miles s
2=> We don't really need a formula here since it is just a conversion. But we do need to know
1 light-your is the distance light travels in 1 year. 3=> Ne Know speed and distance so time must be calculable
4 => We will start with distance in light years
and was conversion factors to go from yours to seconds, then use speed to convert to miles, then miles to step
4.3 light years 365 days 24 hours 3608 % 1.86×105 miles
miles 5280 Pt step = [5.3 x 1816 steps]