30 DAYS OF CODE (PYTHON TRACK)

Day 5 - Faithful Numbers

Faithful numbers are numbers that can be written as the sum of distinct powers of 7.e.g. 2457 = $7^1+7^2+7^4$, 1 = 7^0. The first 10 faithful numbers are 1,7,8,49,50,56,,57,343,344,350.
Write a function named **faithful** that **returns the nth faithful number** by taking the value of n as its parameter.
Hint: List out the first 10(or more) faithful numbers and write them in the form 2457 = $7^1+7^2+7^4$, 1 = 7^0 .Then,look for a pattern.