The ground. Each day it crowds up 5 inches, and each night it slides down 4 inches. When will it first reach the top of the pale? Ans) Observation: Despite, not climb = I inch in 24 hours, each day, the of climbs of max 5 inch from prev posn in the day. On 69th night, it is at 69 inches. On 70th day, it is at 74 inches, at night it is at 70 inches. On 71st morning, it is at the top of the pale. Chap O, Prob 6) In a cortain year there were exactly four Fridays and exactly four Mondays in January. On what day of the week did the 20th of Ans) 1st, 2nd and 3rd Jan can't be Friday or Monday. 1st and 8th are some day. Ind and 3rd Jan can't be Friday, Saturday, Sunday, Monday respectively.

day. 4th, 5th, 6th, 7th will be Friday, Saturday, Sunday, Monday respectively. Chap O, Prob 10) Petes cost always sneezes before it rains. She sneezed today. "This means it will be raining." Pete thinks. Is he right? Ans) No. A: It is raining B: Petes cot snowzed before it Chap O, Prob 9) Peter said: The day before yesterday I was 10, but I will turn Ans) This is only possible it yesterday was birthday, the date being 31st Davember. He turned 11. This year he townson will turn 12, and next year he will be 13. Ohap O, Prob 12) The son of a professor's father is talking to the father of the professor's son, and the professor does not take part in the convo.

To this possible?