1 A fair spinner with 5 sides numbered 1, 2, 3, 4, 5 is spun repeatedly. The score on each spin is the number on the side on which the spinner lands.

(a) Find the probability that a score of 3 is obtained for the first time on the 8th spin. [1]

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(b) Find the probability that fewer than 6 spins are required to obtain a score of 3 for the first time. [2]

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