16 There are only *n* orange sweets and 1 white sweet in a bag.

Saira takes at random a sweet from the bag and eats the sweet. She then takes at random another sweet from the bag and eats this sweet.

Show that the probability that Saira eats two orange sweets is  $\frac{n-1}{n+1}$ 

(Total for Question 16 is 2 marks)