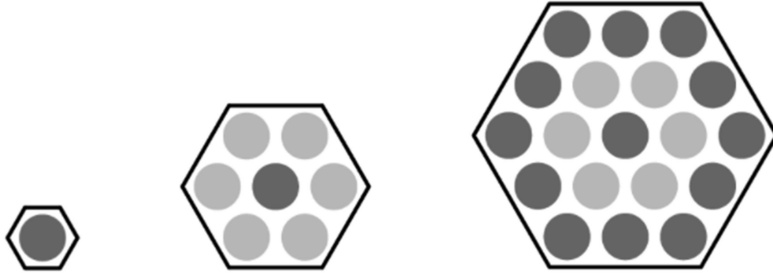**Homework Puzzle: 1.**   Three hexagons of increasing size are shown below. Suppose the dot pattern continues so that each successive hexagon contains one more band of dots. How many dots are in the next hexagon?

(A) 35   (B) 37   (C) 39   (D) 43   (E) 49

Puzzle: 2. When the band The Beatles first formed, they had 1 fan. This fan told 3 other people about The Beatles. Each of these 3 people told 3 other people about The Beatles. As a result, how many people in total knew about The Beatles?