

NAME: _____

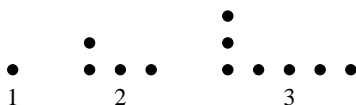
1. 2 bacteria are placed in a petri dish and then counted each hour. The first three bacteria counts were 6, 14, and 30. If this pattern continues, how many hours after the bacteria are placed in the dish will there be 126 bacteria?

[A] after 5 hours [B] after 6 hours [C] after 7 hours [D] after 8 hours

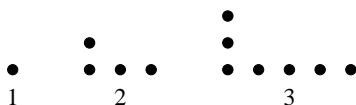
2. 5 bacteria are placed in a petri dish and then counted each hour. The first three bacteria counts were 18, 57, and 174. If this pattern continues, how many hours after the bacteria are placed in the dish will there be 14214 bacteria?

[A] after 9 hours [B] after 8 hours [C] after 7 hours [D] after 10 hours

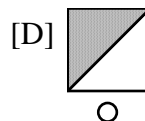
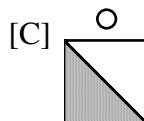
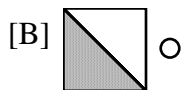
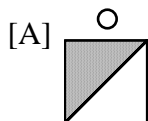
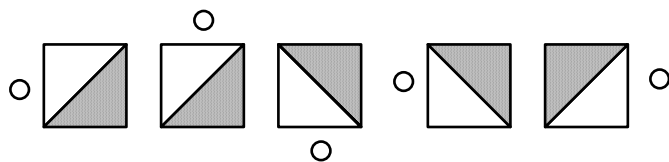
3. How many dots will be in the fifth figure?



4. How many dots will be in the eighth figure?



5. What would be the next figure for the pattern shown below?



[1] A

[2] C

[3] 13

[4] 22

[5] D