

4C Describe the relationship between the terms in a sequence and their positions in the sequence

1. What is the *seventh* term in this sequence?

3, 5, 9, 15, 23, ...

- A 33
- B 45
- C 59
- D 75

2. How is the next term in this sequence found?

5, 10, 20, 40, 80, 160, ...

- A Add 5 to the previous term.
- B Multiply the previous term by 10.
- C Divide the previous term by 5.
- D Double the previous term.

3. Which of these series is created by dividing each previous term by 2?

- A 3, 5, 7, 9, ...
- B 100, 50, 0, -50, ...
- C 4, 8, 16, 32, ...
- D 1, 0.5, 0.25, 0.125, ...

4. What is the *tenth* term in this sequence?

2, 3, 5, 6, 8, 9, 11, 12, ...

- A 13
- B 14
- C 15
- D 16