

Read the following SAT test question, then click on a button to select your answer.

3, 6, 11, 18, ...

The first four terms of a sequence are shown above. Which of the following could be the formula that gives the n th term of this sequence for all positive integers n ?

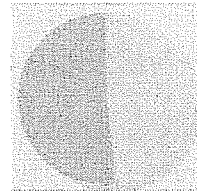
- A. $2n$
- B. $2n + 1$
- C. $3n$
- D. $n^2 + 1$
- E. $n^2 + 2$

Hint

Today's Responses

Section: Mathematics

Responses: 97,301
(Total So Far)



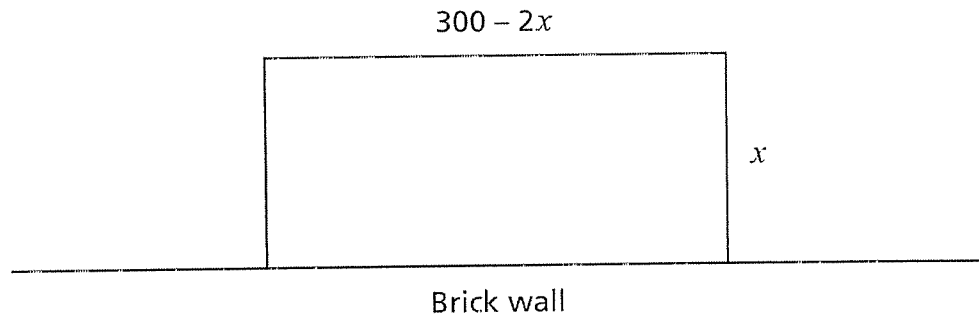
Correct: 52%

Incorrect: 48%

Patterns, Functions, & Algebra

Use the diagram below to answer question 1.

Plan for Mr. Johnson's Rectangular Pen



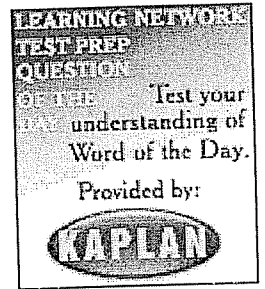
1. Mr. Johnson plans to build a rectangular pen using 300 feet of fencing. An existing brick wall will form one side of the pen. The pen's area, y , in square feet, is given by the function $y = x(300 - 2x)$, where x is the length of the pen in feet. What is the greatest area the pen can have?
 - A. 10,000 square feet
 - B. 11,250 square feet
 - C. 22,500 square feet
 - D. 45,000 square feet

pathologist · \pə-'thä-lə-jist, pa-\ · (noun)

DEFINITION PROVIDED BY



phase (n) =



EXAMPLE FROM THE NEW YORK TIMES

The word **pathologist** has appeared in 100 Times articles over the past year, most recently in "Margaret Geisst, Ralph Baker" on September 21, 2008.

...Margaret Ann Geisst, the daughter of Margaret K. Geisst and Charles R. Geisst of Oradell, N.J., was married in Oxford, England, on Monday to Ralph Peter Baker, a son of Alice Baker of Princeton, N.J., and the late Timothy J. Baker. The Rev. Dr. Douglas Dupree, an Anglican priest, officiated at the Balliol College Chapel of Oxford University, where he is the chaplain...

...Her father is a finance professor at Manhattan College in Riverdale, the Bronx, and an author of 17 books. Her mother, a speech language **pathologist**, works at the Hillcrest School in Paramus, N.J...

TEST PREP Question OF THE DAY

Questions provided by Kaplan.com

BACK TO Word of the Day

Today's Test Prep Question of the Day is a sentence completion.

DIRECTIONS: Select the lettered word or set of words that best completes the sentence.

[Click here](#) for strategies for answering this type of question.

To dissect vital communications, the ----, a specialist in the technology of deciphering messages, typically employs a host of complex mathematical formulas.

- (A) entomologist
- (B) connoisseur
- (C) cryptologist
- (D) statistician
- (E) pathologist

PARTNER SITE



Copyright 2008 The New York Times Company

[Children's Privacy Notice](#)

Explanation: