



# SAT2-MATHEMATICS<sup>Q&As</sup>

SAT Section 2: Mathematics

## Pass Test Prep SAT2-MATHEMATICS Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

<https://www.passapply.com/sat2-mathematics.html>

100% Passing Guarantee  
100% Money Back Assurance

Following Questions and Answers are all new published by Test Prep  
Official Exam Center

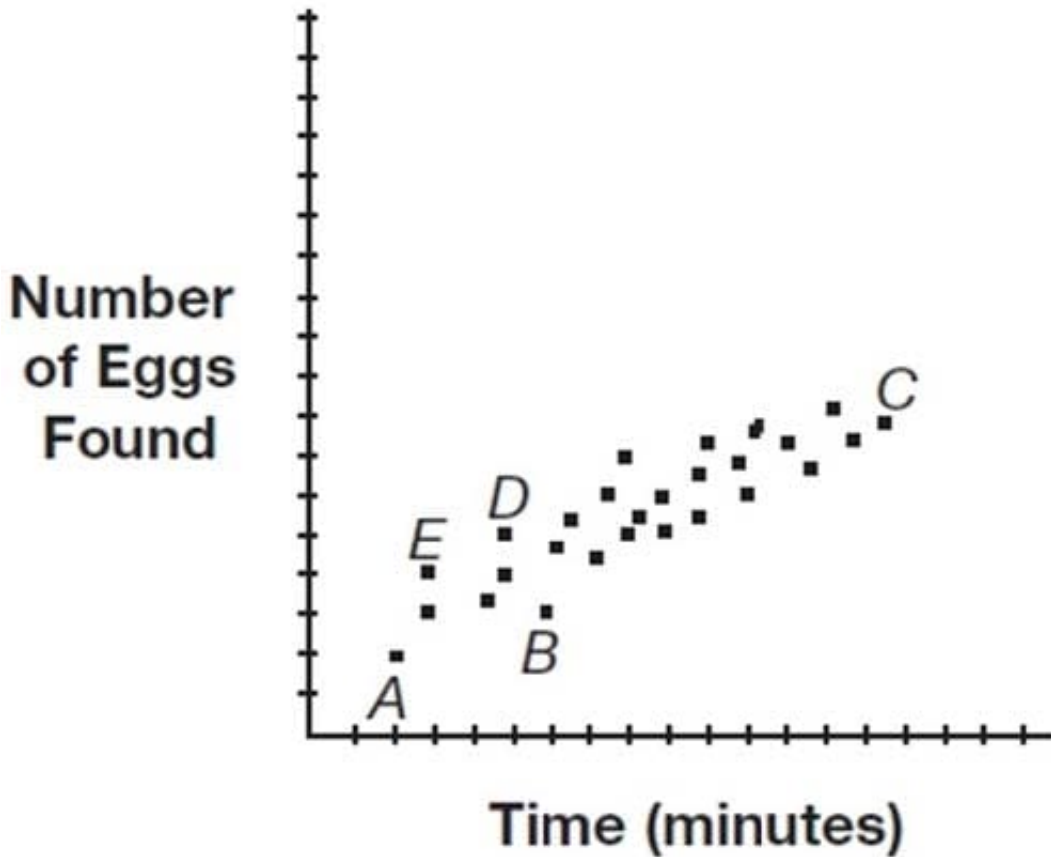
-  **Instant Download** After Purchase
-  **100% Money Back** Guarantee
-  **365 Days** Free Update
-  **800,000+** Satisfied Customers





**QUESTION 1**

Eggs Found in a Hunt Over Time



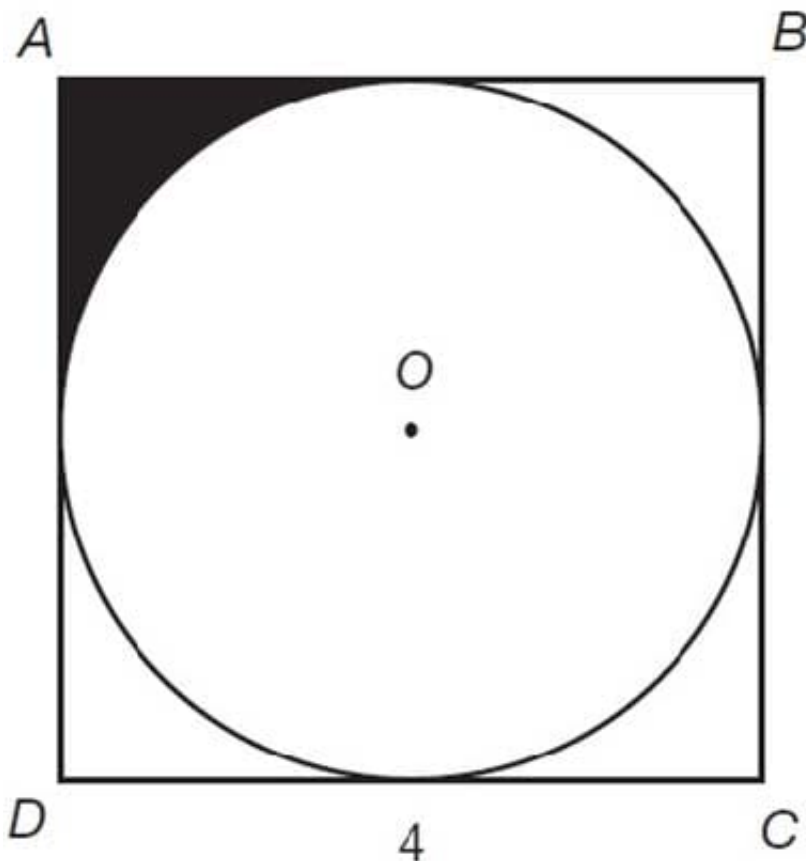
The scatter plot above shows how many eggs were found in a hunt over time. Which of the labeled points represents a number of eggs found that is greater than the number of minutes that has elapsed?

- A. A
- B. B
- C. C
- D. D
- E. E

Correct Answer: E

The point that represents a number of eggs found that is greater than the number of minutes that has elapsed is the point that has a y value that is greater than its x value. Only point E lies farther from the horizontal axis than it lies from the vertical axis. At point E, more eggs have been found than the number of minutes that has elapsed.

**QUESTION 2**



In the diagram above, the length of a side of square ABCD is four units. What is the area of the shaded region?

- A. 4
- B.  $4 - \pi$
- C.  $4 - 4\pi$
- D.  $16\pi$
- E.  $16 - 4\pi$

Correct Answer: B

Explanation:

The area of a square is equal to  $s^2$ , where  $s$  is the length of a side of the square. The area of ABCD is  $4^2 = 16$  square units. The area of a circle is equal to  $\pi r^2$ , where  $r$  is the radius of the circle.

The diameter of the circle is four units. The radius of the circle is  $4/2 = 2$  square units. The area of the circle is equal to  $\pi(2)^2 = 4\pi$ . The shaded area is equal to one-fourth of the difference between the area of the square and the area of the circle:  $1/4(16 - 4\pi) = 4 - \pi$ .

### QUESTION 3



Which of the following is the set of positive factors of 12 that are NOT multiples of 2?

- A. { }
- B. {1}
- C. {1, 3}
- D. {1, 2, 3}
- E. {2, 4, 6, 12}

Correct Answer: C

The set of positive factors of 12 is {1, 2, 3, 4, 6, 12}. All of the even numbers (2, 4, 6, and 12) are multiples of 2. The only positive factors of 12 that are not multiples of 2 are 1 and 3.

#### QUESTION 4

If  $q$  is decreased by  $p$  percent, then the value of  $q$  is now

- A.  $q - p$
- B.  $q - \frac{p}{100}$
- C.  $\frac{-pq}{100}$
- D.  $q - \frac{pq}{100}$
- E.  $pq - \frac{pq}{100}$

- A. Option A
- B. Option B
- C. Option C
- D. Option D
- E. Option E

Correct Answer: D

**QUESTION 5**

If  $y = -x^3 + 3x - 3$ , what is the value of  $y$  when  $x = -3$ ?

- A. -35
- B. -21
- C. 15
- D. 18
- E. 33

Correct Answer: C

Substitute  $-3$  for  $x$  and solve for  $y$ :

$$y = -(-3)^3 + 3(-3) - 3$$

$$y = -(-27) - 9 - 3$$

$$y = 27 - 12$$

$$y = 15$$

[Latest  
SAT2-MATHEMATICS  
Dumps](#)

[SAT2-MATHEMATICS  
Study Guide](#)

[SAT2-MATHEMATICS  
Braindumps](#)