

**SAT Math Practice Questions-2**

1. A certain animal in the zoo has consumed 39 pounds of food in six days. If it continues to eat at the same rate, in how many more days will its total consumption be 91 pounds?

- A) 8                      B) 10                      C) 12                      D) 13                      E) 14

2. What is the length of the line segment in the x-y plane with end points at  $(-2, -2)$  and  $(2, 3)$  ?

- A) 3                      B)  $\sqrt{31}$                       C)  $\sqrt{41}$                       D) 7                      E) 9

3. Which of the following can be used to illustrate that not all prime numbers are odd?

- A) 1                      B) 2                      C) 3                      D) 4                      E) 5

4. If  $a^2 = 15$ , then  $a^4 =$

- A) 30                      B) 60                      C) 125                      D) 225                      E) 375

5. If  $n$  is even, which of the following cannot be odd?

I.  $n + 5$

II.  $3n$

III.  $n^2 - 3$

- A) I only                      B) II only                      C) III only                      D) I and II only                      E) I, II and III

6. What is the greatest of 3 consecutive integers whose sum is 24 ?

- A) 6                      B) 7                      C) 8                      D) 9                      E) 10

7. A piece of ribbon 4 yards long is used to make bows requiring 15 inches of ribbon for each. What is the maximum number of bows that can be made?

- A) 8                      B) 9                      C) 10                      D) 11                      E) 12

8. How many numbers between 200 and 400 meet one or both of the conditions given in the two statements below?

Statement 1: The number begins with 3

Statement 2: The number ends with 3

- A) 20                      B) 60                      C) 100                      D) 110                      E) 120

9. If  $f(3) = 15$  and  $f(5) = 45$ , which of the following could be  $f(x)$ ?

- A)  $4x + 3$               B)  $2x^2 - 2x$               C)  $2x^2 - x$               D)  $2x^2 - 5$               E)  $5x^2$

10. Which of the following is the equation of a line passing through the origin and parallel to the line  $2x - y = 5$ ?

- A)  $5x - y = 0$     B)  $2x - y = 0$     C)  $2x + y = 5$     D)  $2x + y = 0$     E)  $x + 2y = 0$

Answers: 1. E    2.C    3.B    4.D    5.B    6.D    7.B    8.D    9.C    10.B

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