GMAT Quant Practice Test

Q1. A box has at least one ball of each of the colors red, green, and blue and no balls of any other color. If one ball is drawn randomly from the box, is the probability that the drawn ball is red same as the probability that the drawn ball is blue but NOT the same as the probability that the drawn ball is green?

(1) There are 5 balls in the box.
(2) The number of green balls is greater than the number of blue balls.

A Statement (1) ALONE is sufficient, but statement (2) ALONE is not sufficient to answer the question asked.
B Statement (2) ALONE is sufficient, but statement (1) ALONE is not sufficient to answer the question asked.
C BOTH statements (1) and (2) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient to answer the question asked.
D EACH statement ALONE is sufficient to answer the question asked.
E Statements (1) and (2) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Q2. For all integers n , the function f is defined by f(n)=(a)6n, where a
is a constant. What is the value of f(1)?

(1) f(2)=64
(2) f(3)=16

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QUESTION: 3
What is the sum of the squares of the three consecutive terms of a geometric progression??
(1) The sum of three terms is 13
(2) The product of the three terms is 27
QUESTION: 4
If (x−6)(x−m)=x2+rx+k(x−6)(x−m)=x2+rx+k. What is the value of m?
(1) k=18k=18

(2) r=−9
QUESTION: 5
Given that x ≠ 5, is x>{1/(x-5)^2}
Statement #1: x > 0
Statement #2: x > 10
QUESTION: 6
ab and ba are two-digit numbers. Find these numbers.
(1) ab/ba = 1.75
(2) ab*a = 3.5*ba
QUESTION: 7
Does a = b ?
(1) a^5 - b^5 = 0
(2) a^2 + b^2 = 0
QUESTION: 8
John is paid x dollars per hour for the first 8 hours that he works in a given day, 1.5x dollars per hour for the next 4 hours that he works on that same day and 2x dollars per hour for any time over 12 hours that he works on that same day, where x is an integer. How many hours did John work on Monday?
1) John was paid a total of $280 for his work on Monday.
2) If John had worked 2 additional hours, then he would have made an additional 80 dollars.