

## C-GAT – Quantitative and Analytical Reasoning

### I. Structure

Quantitative and analytical reasoning section of C-GAT is similar to those of GRE.

### II. Sample Questions

1. A vending machine is designed to dispense 8 ounces of coffee into a cup. After a test that recorded the number of ounces of coffee in each of 1,000 cups dispensed by the vending machine, the 12 listed amounts, in ounces, were selected from the data. If the 1,000 recorded amounts have a mean of 8.1 ounces and a standard deviation of 0.3 ounce, how many of the 12 listed amounts are within 1.5 standard deviations of the mean.

7.51 8.22 7.87 8.38  
8.09 7.83 8.30 8.01  
7.73 8.25 7.96 8.53

- (A) four
  - (B) six
  - (C) nine
  - (D) ten
  - (E) eleven
2. One wheel rotates once every 7 minutes, and another rotates once every 5 minutes. How often will both begin to rotate at the same time?
    - (A) every 6 minutes
    - (B) every 12 minutes
    - (C) every 17.5 minutes
    - (D) every 35 minutes
    - (E) every 70 minutes
  3. Beautiful beaches attract people, no doubt about it. Just look at this city's beautiful beaches, which are among the most overcrowded beaches in the state.

Which of the following exhibits a pattern of reasoning most similar to the one exhibited in the argument above?

- (A) Moose and bear usually appear at the same drinking hole at the same time of day. Therefore, moose and bear must grow thirsty at about the same time.
- (B) Children who are scolded severely tend to misbehave more often than other children. Hence if a child is not scolded severely that child is less likely to misbehave.
- (C) This software program helps increase the work efficiency of its users. As a result, these users have more free time for other activities.
- (D) During warm weather my dog suffers from fleas more so than during cooler weather. Therefore fleas must thrive in a warm environment.
- (E) Pesticides are known to cause anaemia in some people. However, most anaemic people live in regions where pesticides are not commonly used.