

Name: _____ Date: _____ Class: _____

Random Numbers Pre-Quiz **Answer Key**

1. What is computer software?

Computer software is a set of instructions that a computer can understand and follow. It directs the computer processor to perform specific tasks, such as opening a file, editing a text document or displaying a video.

2. What does the word “random” mean?

A random event is one that happens without conscious decision or pattern. Random events do not have “order.”

3. Give an example of a random relationship and a non-random relationship.

The relationship between a person’s weight and birth date is most likely random. The relationship between a person’s weight and clothing size is non-random.

4. What is a random number generator?

A random number generator is a computer program or calculation, or mechanical system or device, that produces random numbers, which are numbers that are not connected by any decision or intended pattern.

5. Give an example of how you could use a mathematical concept to solve an engineering problem.

Engineers could use the shape of a rectangle in order to construct strong walls of a building that fit together easily.