

1. A scatter diagram with points creating a nearly straight line from the upper left to the lower right would indicate: 1 point
 - ☐ A positive correlation
 - ☐ A curvilinear relationship
 - ☐ No correlation
 - ☒ A negative correlation

2. The 80/20 rule is associated with which quality tool 1 point
 - ☐ Checksheet
 - ☐ Process Map
 - ☒ Pareto Chart
 - ☐ Cause and Effect Diagram

3. Which of the following tools is a structured form of brainstorming? 1 point
 - ☐ Checksheet
 - ☐ Pareto Chart
 - ☒ Cause and Effect Diagram
 - ☐ Histogram

4. In measuring Cost of Poor Quality, as the cost of Appraisal goes up, what would you expect to go down? 1 point
 - ☐ The cost of Prevention
 - ☒ The cost of External Failures
 - ☐ None of these costs would go down
 - ☐ The cost of Internal Failures

5. When calculating Defects Per Million Opportunities, it is necessary to determine the number of ways a defect or error could occur. 1 point
 - ☒ True
 - ☐ False

6. If you have a process with three steps, and each step produces 99% good quality, what is the rolled throughput yield? 1 point
 - ☐ 99.5%
 - ☐ 98%
 - ☐ 99%
 - ☒ 97%

7. Cycle Time is defined as: 1 point
 - ☐ The time for your supplier to deliver material or components.
 - ☐ Only the time that the product is actually being processed.
 - ☐ How fast the process is running.
 - ☒ The time from the beginning to the end of a process including wait time and other delays.