1. **A Chance at Monte Carlo Activity —   
   Pre-Quiz Assessment**

1. List a few ways that engineers use computers and computer programming:

2. In the field of mathematics, what is π (pi)?

3. What does it mean to model a phenomenon?

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| **How do you agree with these statements:** | **Strongly Agree** | **Agree** | **Don't Know** | **Disagree** | **Strongly Disagree** |
| In mathematics, we always calculate exact numbers. |  |  |  |  |  |
| Scientists always conduct experiments physically (by hand). |  |  |  |  |  |
| Random information can help us solve problems. |  |  |  |  |  |
| Computer programming is not useful for scientists. |  |  |  |  |  |