

Question 1: Performance Metrics To improve computer performance you can...

- 1.1. (Increase/Decrease) the number of required clocks for a program.

- 1.2. (Increase/Decrease) the clock cycle time, or said another way...

- 1.3. (Increase/Decrease) the clock rate

- 1.4. (Increase/Decrease) the CPI (average clock cycles per instruction)

Question 2: Clock Period 2.1. Given the single cycle implementation of the in-class example, at which of the following clock periods will the circuit work properly? (Select all that apply).

- 1000ps
- 960ps
- 2000ps
- 4000ps

- 2.2. Given the pipelined implementation of the in-class example, at which of the following clock periods will the circuit work properly? (Select all that apply).

- 480ps
- 580ps
- 1000ps
- 4000ps