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Digital Design Project #8: Counters and Clock Dividers

Submission form revision September 5, 2025

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I am submitting my own work, and I accept that penalties will be assessed against me if I submit work that isn't mine.

Point Scale

4: Exemplary
3: Complete
2: Incomplete
1: Minor effort
0: Not submitted

Print Name

Sign Name

Date

Asst. Signature

Circle one column below and modify earned scores accordingly

Weeks Early / Late	-3	-2	-1	0	1	2	3	4	5+
Requirements Points	+12	+8	+4	0	-4	-8	-12	-15	-18
Challenges Points	+3	+2	+1	0	-1	-2	-3	-4	-4

Requirements	Wt	Pt	Score	Possible	Earned
1. Clock divider using a bit from an asynchronous counter	2			52	
2. Clock divider using a bit from a synchronous counter	2				
3. Counter-based clock divider	2				
4. BCD counter	2				
5. 4-digit BCD counter	3				
6. Homework problems	2				
				Modify earned scores by submission week according to table above.	
Challenges				Possible	Earned
1. Loadable counter	3			12	