

Scoring Guide for POW 3: Divisor Counting

	MAX SCORE	SCORE
1. SUBJECT OF EXPLORATION (4 pts)		
a. Describe the subject you are investigating	2	
b. State the task in your own words 2	2	
2. QUESTIONS (6 pts)		
a. State the questions you asked yourself and why you asked them	4	
b. State the questions you decided to explore, and why	2	
3. INFORMATION GATHERING (8 pts)		
a. Describe the approaches you tried	4	
b. Describe the information you gathered	2	
c. Describe when you decided to stop trying different approaches, and why	2	
4. RESULTS AND CONJECTURES (14 pts)		
a. State conjectures you found as possible answers	2	
b. Prove your conjectures are correct	4	
c. State the rules and patterns found in exploring your questions	4	
d. Describe why a rule or pattern works	2	
e. Write a generalization of your results	2	
5. EVALUATION (10 pts)		
a. State the difficulty level of the problem (scale of 1-10), explain	2	
b. Describe your personal reaction/opinion to the problem	2	
c. Identify the best/worst parts of the problem	2	
d. Write a one paragraph summary of “what you learned from the problem”	4	
6. SELF-ASSESSMENT (8 pts)		
a. Grade and Justify your work using a self-assessment scoring rubric	4	
b. Write a one paragraph summary that identifies your weakest areas in this POW and describe the problems you had or the reasons you become “stuck” in these areas	4	
TOTAL SCORE		50

COMMENTS: