

## Student Guide for POW 17: Cutting the Pie

	Max Score	Score
<b>1. PROBLEM STATEMENT (6 pts)</b>		
a. Restate the situation of the POW in your own words	<b>4</b>	
b. Restate the question in your own words	<b>2</b>	
<b>2. PROCESS (10 pts)</b>		
a. Describe all the methods you tried before reaching your solution	<b>4</b>	
b. Provide all diagrams and sketches that you used for each method	<b>2</b>	
c. Describe any problems you had, and how you solved them	<b>2</b>	
d. Describe all assistance provided and how it helped you	<b>2</b>	
<b>3. SOLUTION (18 pts)</b>		
a. Draw an In-Out Table (number of cuts/max number pieces) for as many cuts as you determined	<b>4</b>	
b. Describe patterns using words and/or symbols that occur in your In-Out Table	<b>2</b>	
c. Describe the process that lead to solutions in your In-Out Table	<b>4</b>	
d. Describe why your answers for the In-Out Table are correct, include all supporting data and diagrams	<b>4</b>	
e. State your solution for the largest possible number of pieces from 10 cuts	<b>2</b>	
f. Describe why your solution for 10 cuts is correct	<b>2</b>	
<b>4. EVALUATION (8pts)</b>		
a. State the difficulty level of the problem (scale of 1-10), explain	<b>2</b>	
b. Describe your personal reaction/opinion to the problem	<b>2</b>	
c. Identify the best/worst parts of the problem 2	<b>2</b>	
d. Describe how the problem could have been made better for you 2	<b>2</b>	
<b>5. SELF-ASSESSMENT (8 pts)</b>		
a. Write a one paragraph summary of “what you learned from the problem” 4	<b>4</b>	
b. Grade and Justify your work using a self-assessment scoring rubric 4	<b>4</b>	
<b>TOTAL SCORE</b>		<b>50</b>