

PACE *a problem solving strategy*

<p style="font-size: 48pt; text-align: center;">P</p> <p style="text-align: center;"><i>PICTURE</i></p>	<ul style="list-style-type: none"> Picture the PROBLEM. Make a sketch, chart, list, etc.. <div style="display: flex; justify-content: space-around; align-items: center;">   <div style="border: 1px dashed black; padding: 5px;"> <table style="font-size: 0.8em;"> <tr><td>cookies</td><td>milk</td></tr> <tr><td>cake</td><td>coffee</td></tr> <tr><td>apple pie</td><td>tea</td></tr> <tr><td>donuts</td><td>etc...</td></tr> <tr><td>....</td><td>....</td></tr> </table> </div>  </div> <ul style="list-style-type: none"> Picture/Estimate the SOLUTION. State what the solution means. <i>example:</i> “The answer will tell me the average number of peas in a pod” 	cookies	milk	cake	coffee	apple pie	tea	donuts	etc...
cookies	milk										
cake	coffee										
apple pie	tea										
donuts	etc...										
....										
<p style="font-size: 48pt; text-align: center;">A</p> <p style="text-align: center;"><i>ATTACK</i></p>	<ul style="list-style-type: none"> Create a plan of ATTACK for the problem. Will you need to add, subtract, multiply, or divide? WRITE DOWN useful formulas from your math reference sheet. Identify the steps needed to solve the problem. <div style="display: flex; justify-content: space-between; align-items: center;">   </div>										
<p style="font-size: 48pt; text-align: center;">C</p> <p style="text-align: center;"><i>CALCULATE</i></p>	<ul style="list-style-type: none"> Work NEATLY! Show ALL of your work. Work through the entire problem. Label your answers. <div style="text-align: right;">  </div>										
<p style="font-size: 48pt; text-align: center;">E</p> <p style="text-align: center;"><i>EXPLAIN</i></p>	<ul style="list-style-type: none"> BE CONVINCING! Recap/Summarize. Your previous work should show the details. Begin your explanation using the “I” word: <i>example:</i> “First, I separated the peas from the pods. Then ...” 										

USE PACE – the #1 strategy for mathematical problem solving