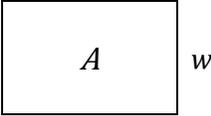
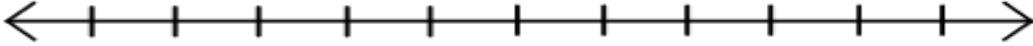




RICAS Grade 3
Approved Supplemental Mathematics Reference Sheet*

General Problem Solving Strategies	Symbols								
<ol style="list-style-type: none"> 1. Read/reread the problem for understanding. 2. Identify what the question is asking. 3. Make a plan to solve the problem. (Choose at least one strategy.) <ul style="list-style-type: none"> • Draw a picture. • Create a table, chart, or list. • Look for a pattern. • Work backwards. • Write a number sentence or an equation. 4. Solve the problem. 5. Reread the problem 	<p>> is greater than < is less than = is equal to</p>								
Geometric Measurement	Order of Operations								
<p><u>Area (A) of Rectangle</u> $A = l \times w$ ($p = \text{perimeter}$; $l = \text{length}$; $w = \text{width}$)</p> <p><u>Perimeter of Rectangle:</u> $P = l + l + w + w$</p> <p><u>Area (A) Model</u></p> <div style="text-align: center;"> l  </div>	<p>PEMDAS</p> <ul style="list-style-type: none"> • Parentheses (brackets, etc.) • Exponents • Multiplication or Division (left to right) • Addition or Subtraction (left to right) <p>GEMA</p> <ul style="list-style-type: none"> • Grouping • Exponents • Multiplicative operations (multiplication or division- left to right) • Additive operations (addition or subtraction- left to right) 								
Number Line									
									
Place Value									
<table border="1" style="margin: auto;"> <tr> <td style="padding: 10px;">Thousands</td> <td style="padding: 10px;">Hundreds</td> <td style="padding: 10px;">Tens</td> <td style="padding: 10px;">Ones</td> </tr> <tr> <td style="height: 40px;"></td> <td></td> <td></td> <td></td> </tr> </table>		Thousands	Hundreds	Tens	Ones				
Thousands	Hundreds	Tens	Ones						

