













# Jigsaw Student Rubric

Level	Problem Solving	Communication and Reasoning	Representation (pictures, tables, diagrams, charts, and models)
<p><b>Novice</b> Makes an effort. Little or no understanding.</p> <p>1 Point</p>	<p>I did not understand the problem.</p> 	<p>I used no math language and/or math equations to explain my thinking.</p> 	<p>I did not use a math representation (pictures, tables, diagrams, charts, and models) to help solve the problem and explain my work.</p> 
<p><b>Apprentice</b> Okay, good try. Unclear if student understands.</p> <p>2 Points</p>	<p>I understand only part of the problem. My strategy works for part of the problem.</p> 	<p>I used some math language and/or math equations to explain my thinking.</p> 	<p>I tried to use a math representation (pictures, tables, diagrams, charts, and models) to help solve the problem and explain my work, but it is incomplete.</p> 
<p><b>Practitioner</b> Excellent. Clear. Strong understanding.</p> <p>3 Points</p>	<p>I understand the problem and my strategy works. My answer is correct.</p> 	<p>I used math language and/or math equations accurately throughout my work to explain my thinking.</p> 	<p>I made a math representation (pictures, tables, diagrams, charts, and models) to help solve the problem and explain my work, and it is labeled and correct.</p> 
<p><b>Expert</b> Wow, awesome! Exceptional understanding!</p> <p>4 Points</p>	<p>I understand the problem. My answer is correct. I used a rule, and/or verified that my strategy is correct.</p> 	<p>I used a lot of specific math language and/or equations accurately throughout my work to explain my thinking.</p> 	<p>I used more than one math representation (pictures, tables, diagrams, charts, and models) to help solve the problem and explain my work and they are labeled and correct.</p> 

0-4 Novice

5-7 Apprentice

8-10 Practitioner

11-12 Expert

What do you think you did well?

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What do you want to improve on for next time?

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