




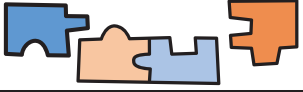
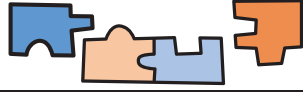
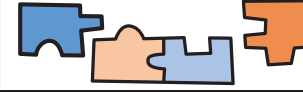
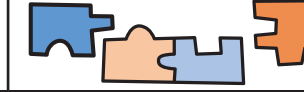
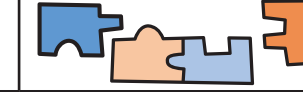












# Exemplars® Jigsaw Student Rubric

| Level   | Problem Solving  | Reasoning and Proof   | Communication  | Connections  | Representation  |
|---|--|---|--|--|---|
| <b>Novice</b><br>Makes an effort<br>No or little understanding                          | I did not understand the problem.<br>   | My math thinking is not correct.<br>   | I used no math language and/or math notation.<br>   | I did not notice anything about the problem or the numbers in my work.<br>  | I did not use a math representation to help solve the problem and explain my work.<br>                             |
| <b>Apprentice</b><br>Okay, good try<br>Unclear if student understands                   | I only understand part of the problem. My strategy works for part of the problem.<br>                             | Some of my math thinking is correct.<br>   | I used some math language and/or math notation.<br>   | I tried to notice something, but it is not about the math in the problem.<br>   | I tried to use a math representation to help solve the problem and explain my work, but it has mistakes in it.<br> |
| <b>Practitioner</b><br>Excellent<br>Clear<br>Strong understanding<br>Meets the standard | I understand the problem and my strategy works. My answer is correct.<br>                                       | All of my math thinking is correct.<br>  | I used math language and/or math notation accurately throughout my work.<br>              | I noticed something about my math work.<br>   | I made a math representation to help solve the problem and explain my work, and it is labeled and correct.<br>   |
| <b>Expert</b><br>Wow, awesome!<br>Exceptional understanding!                            | I understand the problem. My answer is correct. I used a rule, and/or verified that my strategy is correct.<br> | I showed that I knew more about a math idea that I used in my plan. Or, I explained my rule.<br> | I used a lot of specific math language and/or notation accurately throughout my work.<br> | I noticed something in my work, and used that to extend my answer and/or I showed how this problem is like another problem.<br> | I used another math representation to help solve the problem and explain my work in another way.<br>             |