

|                              | Prompt Starters   | Response Starters  |
|------------------------------|---|--|
| <b>Explain &amp; Justify</b> | <ul style="list-style-type: none"> <li>• How did you approach the problem?</li> <li>• What did you do first?</li> <li>• Why did you...?</li> <li>• Can you explain how...</li> <li>• In your solution you...Why?</li> <li>• What does ... represent?</li> <li>• Tell me more about...</li> </ul>    | <ul style="list-style-type: none"> <li>• First, I...</li> <li>• Next, I...</li> <li>• Then, I...</li> <li>• I used ... to show...</li> <li>• The reason I ... is because...</li> <li>• The ... represents...</li> <li>• I would like to add...</li> </ul>  |
| <b>Compare</b>               | <ul style="list-style-type: none"> <li>• How are our solutions alike and different?</li> <li>• How would you describe each solution?</li> <li>• How is my thinking similar to yours?</li> <li>• How is my thinking different from yours?</li> <li>• What is one connection you can make?</li> </ul> | <ul style="list-style-type: none"> <li>• Our solutions are alike because...</li> <li>• Our solutions are different because...</li> <li>• In my solution...</li> <li>• In your solution...</li> <li>• Our thinking is similar because...</li> <li>• Our thinking is different because...</li> <li>• One connection is...</li> </ul> |

SOAR Convene and Compare Prompt & Response Starters

|   | Prompt Starters  | Response Starters  |
|---|--|--|
| <b>Step 1:</b><br><b>Make sense of the first solution</b>       | <ul style="list-style-type: none"> <li>• What do you notice about the solution?</li> <li>• How do you think the mathematician solved the problem?</li> <li>• What models, numbers, or words are included?</li> </ul>   | <ul style="list-style-type: none"> <li>• I notice...</li> <li>• I think her approach was to...</li> <li>• In the solution...This makes me think...</li> </ul>  |
| <b>Step 2:</b><br><b>Present and clarify the first solution</b> | <ul style="list-style-type: none"> <li>• How did she explain her solution?</li> <li>• What was her process?</li> <li>• What did she do first...next...then...last?</li> <li>• How did she show...?</li> </ul>  | <ul style="list-style-type: none"> <li>• First, she...</li> <li>• Next, she...</li> <li>• Then, she...</li> <li>• She used...to show...</li> </ul>   |
| <b>Step 3:</b><br><b>Critique the first solution</b>            | <ul style="list-style-type: none"> <li>• What makes sense about the solution?</li> <li>• What doesn't make sense?</li> <li>• How would you clarify or improve the solution?</li> <li>• What questions do you have?</li> </ul>  | <ul style="list-style-type: none"> <li>• This makes sense because...</li> <li>• This doesn't make sense because...</li> <li>• The solution could be improved if...</li> <li>• I would like to know...</li> <li>• A question I have is...</li> </ul>  |
| <b>Step 5:</b><br><b>Synthesize and reflect</b>                 | <ul style="list-style-type: none"> <li>• How are the two solutions similar and different?</li> <li>• Which is more efficient and why?</li> <li>• What do you understand now that you didn't understand before?</li> <li>• What does this work add to our mathematical thinking?</li> </ul> | <ul style="list-style-type: none"> <li>• In both solutions...</li> <li>• In the first solution...while in the second solution...</li> <li>• The solutions are similar because...</li> <li>• The solutions are different because...</li> <li>• I think...is the more efficient strategy because...</li> <li>• Now I understand...</li> <li>• I learned...</li> <li>• One important idea is...</li> <li>• One connection I can make is...</li> </ul> |

|  | Prompt Starters   | Response Starters   |
|--|---|---|
| <b>Step 1:<br/>Analyze the<br/>Non-Model</b>                     | <ul style="list-style-type: none"> <li>• What makes sense about the solution?</li> <li>• What doesn't make sense?</li> <li>• How would you explain why it doesn't make sense to the mathematician?</li> </ul>   | <ul style="list-style-type: none"> <li>• I notice...</li> <li>• ...makes sense because...</li> <li>• ...doesn't make sense because...</li> <li>• To clarify..., I would....</li> </ul>  |
| <b>Step 2 &amp; 3:<br/>Critique,<br/>Revise, and<br/>Justify</b> | <ul style="list-style-type: none"> <li>• What part do you understand? How can we build on that?</li> <li>• What is the most confusing part of the solution?</li> <li>• What is one way to explain...?</li> <li>• What do we already know that can help us revise this solution?</li> <li>• How can we clarify the part where...?</li> <li>• How could we show...?</li> <li>• What model would be best to...?</li> </ul> | <ul style="list-style-type: none"> <li>• The part I understand is...</li> <li>• To build on..., we can...</li> <li>• I think the most confusing part is...</li> <li>• I think the best way to explain...is ...</li> <li>• We already know..., which means that...</li> <li>• To clarify..., we can...</li> <li>• We could use...to show...</li> <li>• I think the best way to model...is to...</li> </ul> |
| <b>Step 4:<br/>Negotiate<br/>Consensus</b>                       | <ul style="list-style-type: none"> <li>• How does each revised solution help you understand the math?</li> <li>• Which revised solution is most efficient? Why?</li> </ul>  | <ul style="list-style-type: none"> <li>• This solution helps me understand... because...</li> <li>• The most efficient solution is... because...</li> </ul>   |