

Name _____

Date _____

Directions: Place a checkmark next to the statement that best matches how you feel about the four different areas. Feel free to write any additional notes on the lines provided. Once you have completed the self-assessment for all four sections, put a star next to the one area you are going to focus on.

Self-Assessment on **Making Sense of Problems**

I sometimes struggle getting started with a problem. I need someone to help me get started.	
I can get started and try a strategy, but if it isn't working, it is hard for me to think of a different strategy to try.	
I can get started on difficult problems. I can try different strategies if my first attempt doesn't work. I can choose tools to help me understand the problem and solve the problem.	

Self-Assessment on **Math Explanations**

My explanations make sense to me but are unclear to others.	
My explanations make sense to me. When others look at my explanations, they sometimes have questions about what I did or why I did it.	
My mathematical explanations are clear, organized, and understandable by all. I include appropriate vocabulary and detailed models to justify and prove my answer.	

Self-Assessment on **Accuracy and Reasonableness**

I don't always know if my answer is correct or is reasonable.	
I think my answer is correct and reasonable, but I can't identify my errors or find proof that I am correct.	
I begin working on a problem by thinking about a reasonable answer. When I am finished, I compare my answer with my reasonable answer. If my answer is far off, I have trouble finding my errors and mistakes.	
I begin working on a problem by thinking about a reasonable answer. When I am finished, I compare my answer with my reasonable answer. If my answer is far off, I can go back to find my errors.	

Self-Assessment on **Identifying Patterns in Complex Problems**

I sometimes struggle seeing how numbers work together. I need someone to help me identify patterns and think beyond just odd and even patterns.	
I can find some patterns with numbers, but it is difficult for me to explain WHY those patterns are true.	
I am able to confidently see how numbers work together. I can explain patterns in complex problems and WHY those patterns are true. I look for mathematical claims and ways to deepen my understanding of numbers.	

Working on: Making Sense of Problems**Date:** _____

My goal is to make sense of problems. To get better at this I will...

- ☐ Draw pictures to represent problems.
- ☐ Use a graphic organizer to identify the question that is being asked and the information I have to solve.
- ☐ Document the strategies I have tried and adjust my next attempt.
- ☐ Use appropriate tools to help me make sense of the problem.

☐ Other _____**How did it go?****Working on: Making Sense of Problems****Date:** _____

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☐ Other _____**How did it go?**

Working on: Math Explanations**Date:** _____

My goal is to explain my mathematical thinking. To get better at this I will...

- ☐ Check over my work and add labels.
- ☐ Trade work with a friend and give feedback to each other to strengthen our explanations.
- ☐ Use feedback from others to strengthen my explanation.
- ☐ Reorganize my work to show a path of my thinking.
- ☐ Create models that prove my answer.
- ☐ Share my work with others.

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How did it go?

Working on: Accuracy and Reasonableness**Date:** _____

My goal is accuracy in problem solving. To get better at this I will...

- ☐ Estimate a reasonable answer at the start of the problem.
- ☐ Use inverse operations to check for accuracy.
- ☐ Compare my answer with someone that has a different answer. We work together to agree on the correct answer and find the error of the incorrect answer.
- ☐ Offer to check over my friend's work to identify errors and mistakes.

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Working on: Identifying Patterns in Complex Problems**Date:** _____

My goal is to identify patterns in complex problems. To get better at this I will...

- ☐ Keep a list of patterns I have noticed and strategies we have discussed.
- ☐ Think beyond odd/even patterns to more complex patterns.
- ☐ Explain how and why patterns work in my written explanations.
- ☐ Look for rules to explain the math concepts we are working on.

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