

The Math Interview: Skill #3

INTERVIEWER QUESTIONS & NOTES

Question	Notes	
1) What did the problem ask you to solve?		
2) What information did you need to answer this question?		
3) What did you do first to solve the problem? Why did you start there?		
4) How did you solve the rest of the problem? What steps did you take and why? Follow Up Question: What did that step help you know or figure out?	Step	What did this help you know/figure out?
5) Is there a point you got stuck? Describe specifically what confused you. Follow Up Questions: What piece of information helped or would help you move forward? Did you give up or did you figure out a way to move forward? <ol style="list-style-type: none"> i. If you stayed stuck, what might you do differently now? 		

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ii. If you figured out how to keep going, what helped you do that?	
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Question	Notes
6) Does this problem remind you of another problem?	
7) Did you find an answer? What's your answer? Follow Up Question: Is there a way for you to check to make sure your answer makes sense?	
8) Let's think together about another method (GNAW) you could use to solve this problem.	

INTERVIEWER FEEDBACK

<p>Some things you did WELL in solving this problem: (Choose 1-2 of the comments below to share)</p> <ul style="list-style-type: none"> • You understood what the problem was asking you to solve ... • You understood what information was relevant to the problem... • You had a clear method to solving the problem... • Your calculations were correct... • [Share another strength you see] 	<p>A SUGGESTION I have for you is... (Choose 1 of the suggestions below to share)</p> <ul style="list-style-type: none"> • Make sure to identify the question and state it to yourself in your own words. • If you're not sure where to begin, ask yourself what information you need that's not already given to solve the problem. • Use another method (GNAW) to confirm your calculations. • [Share another suggestion you have]
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<p><i>Write your 1-2 STRENGTHS here:</i></p>	<p><i>Write your 1 SUGGESTION here:</i></p>
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AFTER THE INTERVIEW: My Reflection and Action Steps

1.) Something surprising or striking that I learned about myself as a mathematician during this interview was...

2.) My NEXT STEPS to improve/complete this math assignment are (*choose two to complete*):

- Make sure to identify the question and state it to myself in my own words.
This will help me because...
- Ask myself what information I need that's not already given to solve the problem.
This will help me because...
- Use another method (GNAW) to confirm my calculations.
This will help me because...
- Make a different change: Explain what other change you want to make to your problem solving, and why you are making that change.
This will help me because...

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3.) Now solve a similar problem, applying what you learned from the interview.

FIRST - PLAN YOUR PROCESS – <i>Explain in words! Use mathematical terms/rules as needed.</i>	NEXT - EVIDENCE – Do the math!
<p>A) What relevant information is given (info that you need to solve the problem)?</p> <p>How will this information help you solve the problem?</p>	<p>Solve the problem, showing your work:</p>
<p>B) What will you do first?</p> <p>C) How will this information help you solve the problem?</p>	
<p>D) What will you do next?</p> <p>E) How will this information help you solve the problem?</p>	
<p>F) What will you do next?</p> <p>G) How will this information help you solve the problem?</p>	
<p>CLAIM (Answer):</p>	

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“SOAPBOX”: Verbally present how you solved the problem.

- The problem asked me to *find/solve for/figure out* _____

_____.
- First, I was given (*reasoning A*) _____,
_____, which
helped me know _____
_____.
- The next thing I did was *find/solve/figure out (reasoning B)* _____
_____, which
told me/helped me (reasoning C) _____
_____.
- The next thing I did was *find/solve/figure out (reasoning D)* _____
_____, which
told me/helped me (reasoning E) _____
_____.
- Finally, I figured out (*reasoning F*) _____,
_____, which
told me/helped me (reasoning G) _____
_____.
- This process led me to the answer of (*claim*) _____.