

# AM-MΣ

Color code	Color code			
Blue- Student responses indicated <b>HIGH</b> engagement in math, spring 2023 survey results.		Keep this question.		
No color- Student responses indicated <b>MEDIUM</b> engagement in math, spring 2023 survey results.		This question needs to be revised.		
Red - Student responses indicated <b>LOW</b> engagement in math, spring 2023 survey results.		Drop this question.		
Questions	MSES category	AM-ME Research Group reaction: Team 1	AM-ME Research Group reaction: Team 2	AM-ME Research Group reaction: Team 3
I stay focused.			I stay focused on what? This is too similar to paying attention. I stay focused because of what? [REVISE to] I stay focused on work.	Maybe consider adding a "I mostly stay focused in class" because no one is focused all the time
I answer questions in class.			[KEEP]	
I put effort into learning.			[KEEP]	putting in effort means? Should this be replaced by more specific questions about behaviors (study, notes, do homework) and attitude (care about learning)
I keep trying even if something is hard.			this really depends on mood-- feeling determined or frustrated [REVISE]	
I ask questions in class.			this depends on who the teacher is. [REVISE to] I feel comfortable asking questions in class.	
I complete my homework on time.	behavioral	Remove on time. Change to "I complete my homework."	this doesn't work for Bloomington because completing homework really depends on if it's a nightly thing or before summative. [DROP]	Complicated homework situation, its a small fraction of grade and may have unclear or ambiguous due dates. Consider editing "i complete my homework"
I talk about math outside of class.		Eliminate.	only talk if it's for help [REVISE to] I get math help outside of class.	Remove, not relevant and could be interpreted multiple ways
I try to learn more about the topics we cover in class.		If this is about outside study habits, ask a different question. Connect it to the technology questions maybe. How are they learning more? If keep, change to "I do not." Nate and Serrah do not love the negative items.	this is just an overachiever [DROP]	Remove, This question might be more relevant for social studies or other more generalized studies
I don't participate in class.			why double negative!? [REVISE to] I participate in class.	[KEEP]
I do other things when I am supposed to be paying attention.		Its fine, but not our favorite.	[KEEP] this is a really good one.	
If I don't understand, I give up right away.		No contractions if keep negative. "When I do not understand"	[KEEP]	
I often like to be challenged in math class.		Remove often. Remove challenge. We need a new word for challenge.	[KEEP]	do we want to clarify that this is after we understand
I look forward to math class.			[KEEP]	
I enjoy learning new things in math class.			[KEEP]	
I want to understand what we are learning in class.			depends on if it's for grade, for engagement, or because I don't want to seem dumb [REVISE]	Probably people are interpreting this more as "want to have already understood" ; should we change this to ask whether or not they mostly understand what is going on?
I feel good when I am in math class.	emotional		feel good because of what? feeling challenged it means more important to know [REVISE to] I feel like I belong in math class.	I usually feel good when I am in math class
I often feel frustrated in math class.		Remove "often." Remove the question? Its the opposite of what is already there.	[REVISE to] I often feel frustrated/discouraged in math class.	
I think that math class is boring.			[KEEP] this is a really good one.	
I don't want to be in math class.		Its the opposite of another questions.	[KEEP]	
I don't care about learning math.		Asking the same thing.	[KEEP]	
I often feel discouraged when I am in math class.		Remove "often." Remove the question? Askign the same thing.	[DROP] because it can be combined with feeling frustrated.	
I often get worried when I learn new things about math.		Remove "often."	hard. [REVISE TO] I often feel anxious when I learn new things about	I feel anxious/stressed/worried when starting to learn a new skill?
I go through work that I do for class to try to make sure it is right.		We do not like "go through." "I double check my work after completing a problem."	this is unnecessarily long. [REVISE to] I double-check my work.	I check my work to make sure it is right
I think about different ways to solve a problem.			[KEEP] teachers think this is a really good one.	

I try to connect what I am learning to things I have learned before.	cognitive	We don't think students do this. This happens with the teacher. Eliminate or could change to something about having the skills to do the math in their current class.	(teachers) thought no one would do this but (student) said she actually does this. [KEEP]	
I try to understand my mistakes when I get something wrong.		Wrong to incorrect.	[KEEP]	I try to go over question I got wrong to understand my mistakes
When I am studying, I only review problems I have solved before.		If we are doing reverse, they need to be all together!! Make clear about correct. "I find new problem do"	this is might be a study strategy, for example only reading through study guide instead of solving new problems [KEEP with hesitation]	Remove, or replace with something specific about doing practice problems
I would rather be told the answer than have to figure it out myself.		"I try to figure out the answer myself."	[KEEP]	Remove
I don't think that hard when I am doing work for class.		Depends because some work is easier than others.	this wording is very confusing [drop]	Worry that students who find math easy do not have to think hard
When work is hard, I only study the easy parts.		Remove.	"work" (more specific to like a problem) is different from "study" (more general). Also, this could just be a study strategy. [DROP]	When work is hard I only do the easy problems ?
I do just enough to get by.		make it positive so that it's a sign of engagement. "enough" is different for every student, so change it to a personalized indicator. [REVISE to] I do enough to get the grade I want.	I only do enough to get the grade I want	
I build on others' ideas.	social	Get more specific, related to the ways in which teams function together. This does not happen often.	[KEEP]	remove
I try to understand other peoples' ideas in math class.		What do we mean by ideas? We learn how to solve math problems different ways. Switch to ways? I try to undersand other peoples' for solving math problems?	[KEEP]	
I try to work with others who can help me in math.		Anyone can help you? If they understand it. Try is also funny. I work with my peers...	[REVISE to] I try to work with others who can help me understand math.	
I try to help others who are struggling in math.		Remove the try. I help my peers.	[KEEP] this is a really good one. that's just unkind. [DROP]	remove
I don't care about other peoples' ideas in math class.		Opposite remove.	that's just unkind. [DROP]	
When working with others, I don't share my ideas in math class.		This is not doing the teamwork. Haven't really asked about working alone.	there could be multiple reasons, sometimes good sometimes bad [REVISE TO] I prefer to work alone.	spilt up into more specifics about what they do or dont like about working with peers
I don't like working with my classmates in math class.	Very similar to the previous, we dont talk to other people who arent in our teams.			
Overall reaction: Make sure this is about math on every screen (e.g., "Think about your time in math class.")				
<p>This project is funded by the National Science Foundation, grant #2200437. Any opinions, findings, and conclusions or recommendations expressed in these materials are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.</p> <p>Learn more about the Adapted Measure of Math Engagement at <a href="https://www.childtrends.org/project/adapted-measure-of-math-engagement">https://www.childtrends.org/project/adapted-measure-of-math-engagement</a>.</p>				