

Introduce yourself/ team and get parent permission to record the video

“Hi [parent’s name]! My name is [your name] and I work at Vanderbilt University doing research on [description]. I’m really looking forward to talking with you about some of the ways you and [child name] spend time together doing math and to think about ways you can strengthen that so thank you for joining me today!

I am planning on recording while we talk so that I don't have to take a lot of notes while we are talking. As you read in our consent form, only our research team will watch this video and your information will remain confidential. ***Is it still okay for me to record this session?***

Awesome, thank you!”

Interview Questions

Let’s start by talking about how you and [child name] spend time together.

1. What does a week in your life look like?
 - a. ***Prompt [if they don't mention this]:*** What does a weekend or a day off from work look like for you?

2. What do you view as math that your child can learn?
 - a. ***<<Affirm what the parent says if at all possible and add>>*** Preschoolers can learn lots of math skills. This includes number skills like counting, knowing the meaning of number words, being able to match written numbers to their name and their amount, comparing amounts and numbers, and adding and taking away small numbers. Preschoolers can also learn patterning skills like filling in the missing part of a sequence that repeats over and over like “red, blue, red, blue, red, blue”, copying a pattern by making the same sequence with the same kind of objects, adding on to patterns, and making the same kind of pattern with different things. As we talk today you can think about any of these topics I mentioned or other topics you consider math.

3. When and how do you talk about or do math with your child?

- a. **FOLLOW-UP:** *Many parents do not realize that they can help their children learn math as they go about their regular, everyday activities. Could you think about and share how you could possibly discuss or do math [more often] during daily home routines?*
- b. **FOLLOW-UP:** *Many parents do not realize that they can help their child learn math during activities that their child likes to do. Could you think about and share how you could possibly discuss or do math [more often] during activities that you or your child enjoy?*
- c. **FOLLOW-UP:** *Has participating in our study influenced when or how you talk about or do math with your child? How so?*

- 4. Does your child do or talk about math with anyone besides you and their teacher?
 - a. **PROMPT** *[if they say yes and do not expand]: Who do they do or talk about math with and what does this look like?*

- 5. What kind of things do you and your child like to do together at home or in the community? You might think about the kinds of things that you do together that get your child talking a lot, asking questions, or excited.
 - a. **Prompt** *[if they don't mention anything that is math-related]: Do you talk about or do math with your child in any of these activities? If so, please tell me about it.*
 - b. **FOLLOW-UP:** *Can you think of a way that you could [further] incorporate talking about or doing math in these activities?*

- 6. Are there things you like to do by yourself, such as a hobby, craft, or traditional activity, that you would like to involve your child in more?
 - a. **PROMPT** *[if they say yes]: Can you think of a way that you could (further) incorporate talking about or doing math in this?*

Let's talk more about your experiences learning and using math as you were growing up.

- 7. Did you enjoy math in school? Why or why not?

8. How was it learning or doing math at home when you were growing up? You might think about whether there were crafts, games, or other activities in which you used, talked about, or focused on math by yourself or with family members.
- a. FOLLOW-UP: Have you continued any of these activities or interactions with your child? Why or why now?**

My next questions focus on your views about your child's learning.

9. Are there any cultural values or activities or anything related to your race that influence how you talk about or do math with your child?
- a. *Prompt (if they say yes, but don't give much detail): Please tell me more about the practices, traditions, or values that you learned from your family or other Black individuals that shape how you talk about or do math with your child.*

10. How important is it that your child does or talks about math at home?
- a. *Prompt (if they don't give much detail): Why is that?*

11. How important is it that your child does or talks about math at their school?
- a. *Prompt (if they don't give much detail): Why is that?*

12. What would help you better support your child's math skills at home? You could think about time, financial resources, materials, information, or anything at all.

13. Do you try to do anything, in particular, to shape how your child feels about math?

Closing

14. Is there anything you would like to add that we have not talked about yet?

15. Do you have any questions for me?