

# Quality Talk Student Guide



*Embracing talk as a  
tool for critical-analytic  
thinking &  
interthinking*





# OVERVIEW

## HOW TO USE THIS STUDENT GUIDE

### WELCOME TO YOUR QUALITY TALK STUDENT GUIDE!

Quality Talk (QT) is a student-led, teacher facilitated small-group discussion approach designed to enhance students' critical-analytic thinking and reasoning about, around, and with mathematical tasks and concepts.

This guide is your go-to tool for preparing to participate in rich, meaningful QT discussions about a mathematical task. Each part of the guide is designed to help you review the task you will be discussing and related mathematical concepts. You will also write three authentic questions and one test question about the task.

### Part 1: What is the mathematics behind the task?

Start by exploring the key mathematical concepts and ideas at play in the task. Jot down what you know about the concepts.

### Part 2: Preparing for Discussion

Next, take a few minutes to generate three authentic questions and one test question you have about the task. As you write, aim for variety! You might ask high level thinking questions that prompt generalization, analysis, or speculation; Or you might ask connection questions that connect the task to something you've seen, read, or learned before.

USE THIS SPACE TO COPY DOWN THE TASK YOU WILL BE DISCUSSING



# PART 1

## MATHEMATICS KNOWLEDGE

**Before diving into discussion, make sure you have the mathematical tools you need!** What key mathematical concepts are behind the task you are going to discuss? Jot down what you know about each of these mathematical concepts.

CONCEPT #1 \_\_\_\_\_

CONCEPT #2 \_\_\_\_\_

CONCEPT #3 \_\_\_\_\_

CONCEPT #4 \_\_\_\_\_



## PART 2

### PREPARING FOR A QT DISCUSSION

**Take a look at the content as well as the task you will be discussing.** Write three authentic questions and one test question. The authentic questions should link the content and the task. Remember! Do NOT solve the task prior to the discussion.

**AUTHENTIC QUESTION #1:**

**AUTHENTIC QUESTION #2:**

**AUTHENTIC QUESTION #3**

**TEST QUESTION #1**