

Lesson 5: Checkpoint

PREPARATION

Lesson Goals	Learning Targets
<ul style="list-style-type: none">Learn and grow mathematically in course-level content.Communicate and address mathematical areas of strength and areas of growth.	<ul style="list-style-type: none">I can continue to grow as a mathematician and challenge myself.I can share what I know mathematically.

Lesson Narrative

This is a Checkpoint day. A Checkpoint day consists of one full block and is structured as four 20-minute stations that students rotate between. There are a total of seven stations students can engage with. Since students will not be able to participate in all seven stations, please note that Station A (Unit 4 Check Your Readiness) is required for all students.

- A. Unit 4 Check Your Readiness (*Required*)
- B. Teacher-led Small-group Instruction
- C. Fun with Functions Card Sort
- D. Transforming Graphs
- E. Desmos Marbleslides
- F. Are You Ready For More?
- G. Micro-Modeling

Station C: Fun with Functions Card Sort (20 minutes)

Addressing: NC.M2.F-IF.4

Station C provides students with additional practice of determining key features of graphs, tables, and descriptions used to represent functions in context. Students may work independently or with a small group of 2-3.

RESPONSIVE STRATEGY

Reduce the number of cards students use ensuring that the cards used form complete sets.

Supports accessibility for: Memory; Attention



Station C

Sort the cards into piles of three cards: one table or graph card, one domain and range card, and one description card.

After sorting the cards, answer the following questions:

- Which functions are increasing over the entire domain? Explain your reasoning.
- Which functions are decreasing over the entire domain? Explain your reasoning.
- Do any of the functions have reflectional symmetry?
- Cards G, H, I, and J have tables on them. The tables show some values, but not all the values in the domains and ranges of the functions they represent. Explain how you know what other values are in the domain and range for each of these cards.