

Lesson 4 Teaching Portal Materials

Episode Supports

Episode 2: Exploring

Episode Descriptions: Kate and Christopher use a diagram to find the amount of time it should take a car to travel 60 miles so that it goes at the same speed as a car traveling 12 miles in 9 minutes.

Focus Questions: For use in a classroom, pause the video and ask these questions:

1. [Pause video at **2:26**] What do you notice in Kate's current diagram? Try making your own diagram to show why the two cars are traveling at the same speed.
2. [Pause video at **6:37**] Kate says there is a pattern. Where do you see the pattern? Come up to the video display and show us.

Supporting Dialogue: When engaging in the tasks in class, invite your students to consider the varied student work in the room by considering the student diagrams from Focus Question #1:

- As students build their own diagrams, find two different ways that the students are expressing their ideas and ask the students if they would be willing to share their work with the class.
- As students share their work, ask another student in the classroom to compare what they heard. For example: "Can someone say how Juan's and Jacob's diagrams are different? How are they similar?"

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