

Lesson 5 Teaching Portal Materials

Episode Supports

Episode 3: Reflecting

Episode Descriptions: Kate and Christopher use diagrams to demonstrate why additive reasoning does not work to find a unit ratio.

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

1. [Pause video at **1:50**] Can someone revoice Christopher's idea? What do you think about that method to determine the amount of time and distance for a car to travel at the same speed?
2. [Pause video at **3:03**] What do you think about the possibility of two different amounts of miles that would make a car travel for 1 minute at the same speed as a car traveling 10 miles in 4 minutes?

Supporting Dialogue: When engaging in the tasks in class, invite your students to consider features of mathematical diagrams by asking students to:

- Compare diagrams at **4:46** and at **6:02**. Ask a student "Can someone say how these two diagrams are different? How are they similar?"
- Share differing models. For example, ask "Does anyone else have a model that is different from these that they would like to share?" Follow up by asking "Can someone say how this diagram is different? How is it similar?"

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