

**Task: Find the time the red car should take to travel 2.5 miles so that it goes at the same speed as the blue car, which travels 10 miles in 4 minutes.**

- 1) Go to the “Races” applet: <https://www.geogebra.org/m/J434Kb54>. For the blue car, enter 10 for the number of miles and 4 for the number of minutes. For the red car, enter 2.5 for the number of miles. Use the applet to make and test some guesses for the number of minutes the red car must take to travel 2.5 miles so that it goes at the same speed as the blue car, which travels 10 miles in 4 minutes. Record your results.



- 2) Share any conjectures you made to determine the number of minutes it must take the red car to travel 2.5 miles so that it goes at the same speed as the blue car, which is traveling 10 miles in 4 minutes.

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