Task: Determine the number of minutes and the number of miles for the red car so it goes at the same speed as the blue car, which travels 12 miles in 9 minutes.

1. The blue car travels 12 miles in 9 minutes. Write down some guesses for the number of miles and the number of minutes for the red car so that it goes at the same speed as the blue car.

2. Explain the patterns you are using to determine the number of miles and the number of minutes for the red car's journey.

3. Go to the "Races" applet: https://www.geogebra.org/m/J434Kb54. For the blue car, enter 12 for the number of miles and 9 for the number of minutes. Test your patterns by running races.

   Which of your patterns work?

   Which patterns do not work?

MathTalk.org
Learning through dialogue