

**Task: Explain why the red car, which travels 20 miles in 8 minutes, goes at the same speed as the blue car, which travels 10 miles in 4 minutes.**

1. You found that two cars go at the same speed when one car travels 20 miles in 8 minutes and the other car travels 10 miles in 4 minutes. Create and label a diagram (a picture) that explains why these two cars go at the same speed.
2. Explain how your diagram shows that the two cars go at the same speed.
3. Extend your diagram to explain why the red car, traveling 30 miles in 12 minutes, will go the same speed at the blue car, when it travels 10 miles in 4 minutes.