

**Task: Compare two different ways of reasoning about a speed problem.**

- The blue car travels 12 miles in 9 minutes. The red car takes 15 minutes for its journey. The goal is to figure out how far the red car should travel so that it goes the same speed as the blue car.

A pair of students' work on this problem is shown below:

Describe their reasoning.  
Does it work?

|     | Miles | Minutes |     |
|-----|-------|---------|-----|
| + 6 | 12    | 9       | )   |
|     | 18    | 15      | + 6 |

- Another pair of students thought about the problem differently. Their work is show below.

Describe the students' reasoning.  
Does it work?

