

Name:

Date:

Lassie, Come Home!

(NS04/SR02)

On-Demand (Check One) Yes No

Lassie the Dog needs to get back to her house on Rollins Road. She is currently at the place where the Forest Path meets Mahaffie Lane. Her owner Timmy is at the house and calls to her to come home. With different whistle tones, Timmy can direct her to cross the river at the North Bridge or at the South Bridge. The Forest Path meets Rollins Road at the North Bridge. Rollins Road runs north-south and Mahaffie Lane runs east-west. Timmy knows the following information:

- Distance from House to intersection of Mahaffie Lane and Rollins Road - 170 meters
- Distance from House to North Bridge - 80 meters
- Distance along the River from North Bridge to South Bridge - 350 meters
- Distance from Lassie to South Bridge - 100 meters

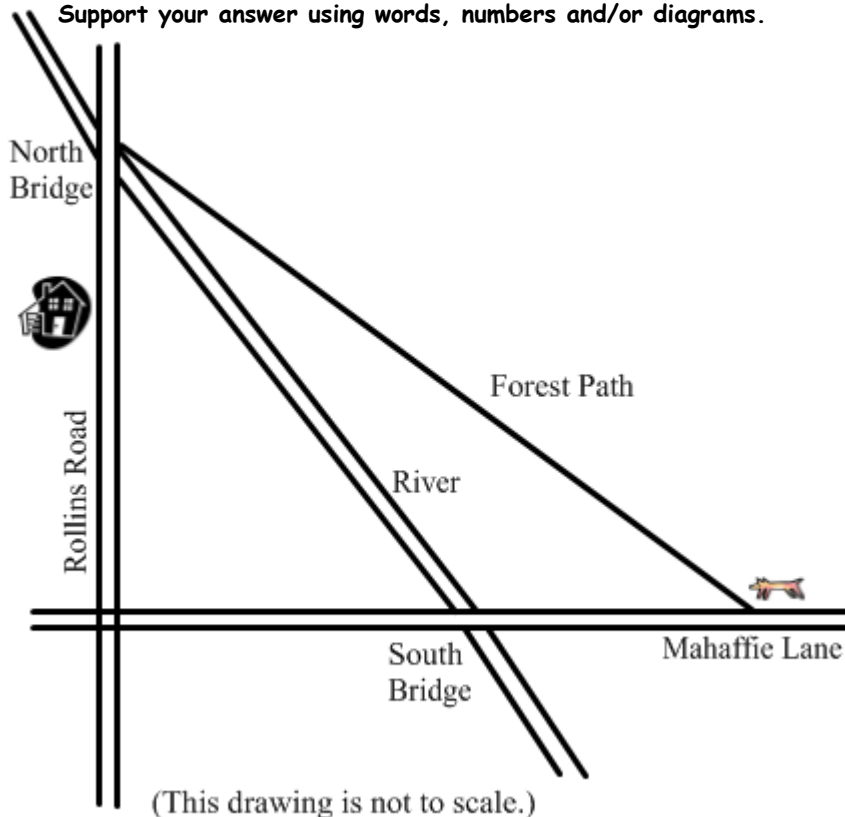
The North Bridge route would take her up the Forest Path, then south on Rollins Road to the house.

The South Bridge route would take her west on Mahaffie Lane to Rollins Road, then north on Rollins Road to the house.

Timmy needs Lassie right away, so he wants her to take the fastest route. Which route should he direct her to take?

- A. North Bridge
- B. South Bridge

Support your answer using words, numbers and/or diagrams.



Work Continued...