

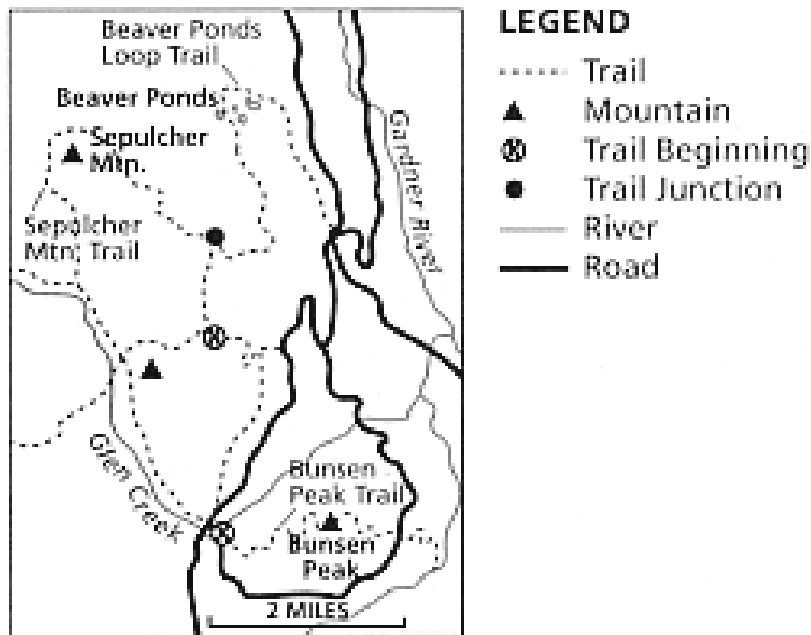
REAL WORLD APPLICATIONS

● Hiking in Yellowstone

Read the following paragraphs, and then use Naismith’s rule and the map provided to complete the exercises below. (Naismith’s rule: Allow 1 hour for every 3 mi traveled, then add 1 hour for every 2000 ft climbed.)

A group of outdoor enthusiasts was enjoying nature during a visit to Yellowstone National Park. One morning, the group assembled for a hike at the beginning of the Beaver Ponds Loop Trail. When the group reached the Sepulcher Mountain trail junction, half the hikers decided to complete the 2.5 mi hike and climb 350 ft to Beaver Ponds.

The other half of the group decided to veer off onto the Sepulcher Mountain Trail. Starting at an elevation of 6252 ft, these hikers traveled a total of 5.5 mi to reach the summit of Sepulcher Mountain at 9652 ft.



Your Turn to Think

1. How long did it take the first group to complete the Beaver Ponds Loop Trail?
2. How long did it take the second group of hikers to complete the Sepulcher Mountain Trail?
3. Another group of hikers started out at the entrance of the Bunsen Peak Trail. The hikers climbed 1300 ft along the 2 mi twisting trail to reach the summit of Bunsen Peak. How long did it take these hikers to reach their destination?