

Problem Solving: Choosing the Best Method

Lesson 4.8

On a long bike tour, Molly biked 15 miles per hour. She started the trip at the 50 mile mark. Let m be where she is on the tour. Let h be the number of hours she bikes.

Equation:

m is 15 miles each h plus 50 miles.

$$m = 15h + 50$$

h	$15h + 50$	m
0	$15(0) + 50$	50
1	$15(1) + 50$	65
2	$15(2) + 50$	80
3	$15(3) + 50$	95

For each question, tell if you would use the table or the equation. Then, answer the question.

1. Where is she after 1 hour?
2. Where is she after 3 hours?
3. Where is she after 6 hours?
4. In 3 days, Molly bikes for 15 hours. Where is she on the tour?