Marshview Trail Miles

Use relative locations to estimate walking distances.

4.G.1 "Estimate distances between two places on a map when referring to relative locations."

NAME _____ DATE _____

1 READ AND MARK

Read it twice

YOUR JOB Underline each clue that gives a place's position and a number of blocks, then circle the sentence that tells how long one block is.

Walking Through Marshview Park

1. At Marshview Park, rangers use a simple trail plan to help visitors choose a walk. The paths follow rows of square blocks, like streets in a town. Each block is about one kilometer long. To estimate a distance along a straight path, count the blocks between two places. Since the blocks are not all exactly equal, the distance is an estimate.

2. The East Trail runs in a straight line from west to east. Willow Gate is at its west end. Pine Bend is two blocks east of Willow Gate. Frog Pond is three blocks east of Pine Bend. Kite Hill is two blocks east of Frog Pond. Berry Patch is four blocks east of Kite Hill. Visitors can choose a short stroll or a longer walk along this path.

3. A second straight path, the North Trail, begins at Frog Pond and heads north. Bird Blind is two blocks north of the pond. Rock Shelter is three blocks north of Bird Blind. The two trails meet only at Frog Pond, so walkers going from one trail to the other pass through the pond. Visitors can use the east and west clues for one path and the north clues for the other.

2 ANSWER WITH EVIDENCE

Use the passage

1. About how far is it along the trail from Willow Gate to Frog Pond? How do you know?

2. About how far would you walk along the trails from Pine Bend to Rock Shelter? Show the blocks you counted.

3. About how far is it along the trail from Kite Hill to Berry Patch?

4. Which is closer to Frog Pond, Pine Bend or Kite Hill? About how much closer is it?

3 YOUR TURN

Your own words

Invent a new straight trail with three places not named in the passage. In two or three sentences, tell how many blocks separate each pair of neighboring places, then use the passage's scale to estimate the distance from the first place to the third.

ANSWER KEY

Marshview Trail Miles

GRADE 4 · 4.G.1

PART 1 · READ AND MARK

Underline each clue that gives a place's position and a number of blocks, then circle the sentence that tells how long one block is. Accept any marking that follows this job and points at the right text.

PART 2 · ANSWERS

#	QUESTION	ANSWER
1	About how far is it along the trail from Willow Gate to Frog Pond? How do you know?	**About 5 kilometers. It is 2 blocks to Pine Bend and 3 more blocks to Frog Pond.**
2	About how far would you walk along the trails from Pine Bend to Rock Shelter? Show the blocks you counted.	**About 8 kilometers: 3 blocks to Frog Pond, 2 to Bird Blind, and 3 to Rock Shelter.**
3	About how far is it along the trail from Kite Hill to Berry Patch?	**About 4 kilometers.**
4	Which is closer to Frog Pond, Pine Bend or Kite Hill? About how much closer is it?	**Kite Hill is about 1 kilometer closer. It is 2 blocks from Frog Pond, while Pine Bend is 3 blocks away.**

PART 3 · YOUR TURN (SAMPLE ANSWER)

On my straight trail, Cedar Camp is 3 blocks east of Stone Gate, and Sunny Field is 4 blocks east of Cedar Camp. Since each block is about 1 kilometer, Stone Gate and Sunny Field are about 7 kilometers apart.

Accept estimates that count blocks along the trails and use about 1 kilometer per block. For the open task, the first-to-third distance should equal the sum of the two neighboring distances.