

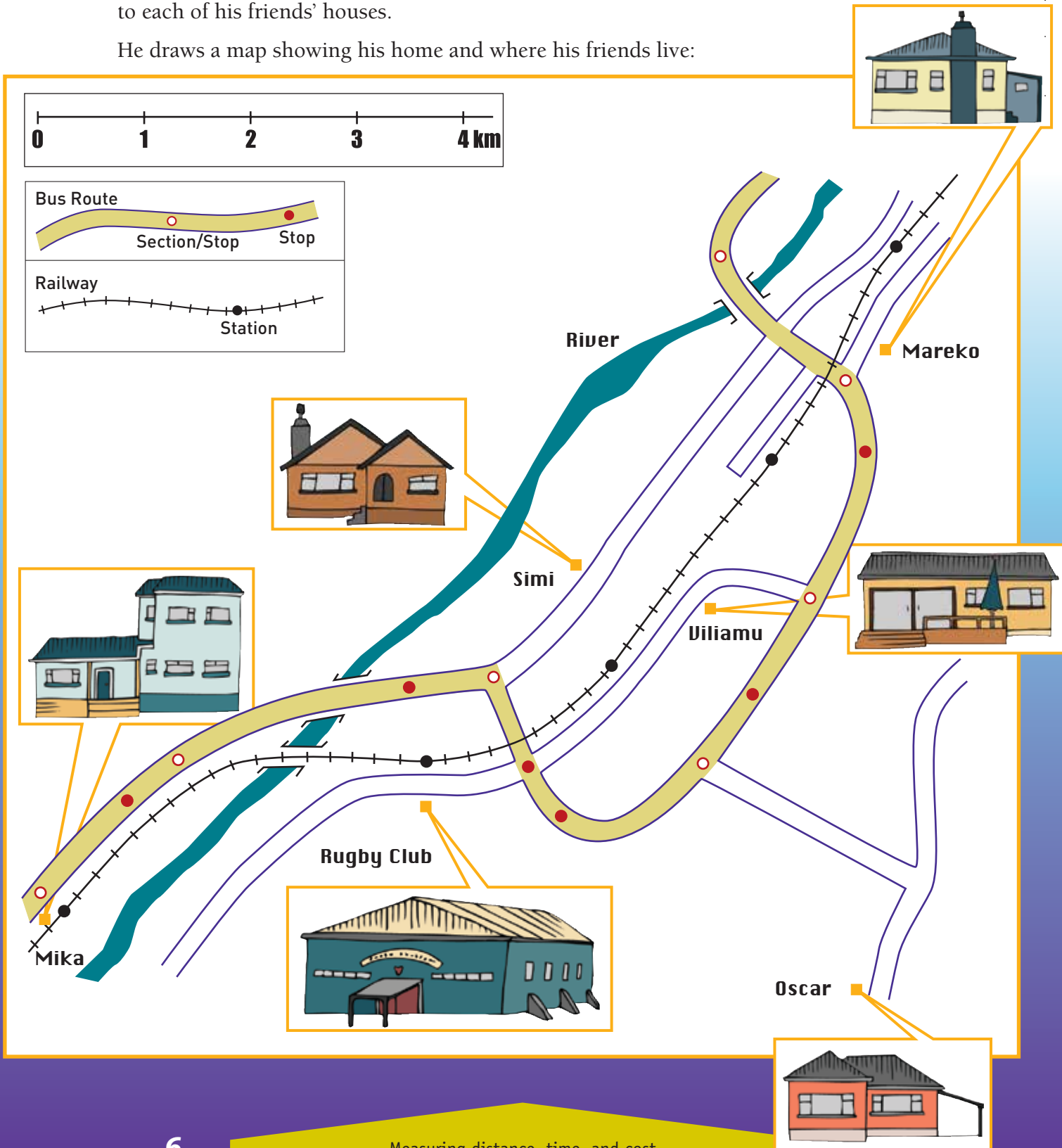
Hangin' Out

You need string, flexible card, or dividers a classmate

Activity

Mika wants to work out the best way of getting from his new home to each of his friends' houses.

He draws a map showing his home and where his friends live:



I've got to get home, too.

To get to his friends' houses, Mika has four options: walk, bike, take the train, or take the bus.

Method	Speed (estimated)	Cost
Walk	5 km/h	Nil
Bike	12 km/h	Nil
Train	50 km/h (including stops)	\$1.50 for the first 9 km; \$2.50 for 9–25 km
Bus	40 km/h (including stops)	90c for the first section; 10c for each extra section



1. a. Mika starts to draw up this table to check out two possible ways of getting to each friend's place. Copy and complete it:

Mika to	How to get there	Time	Cost
Oscar	(i) 8 km bus (3 sections) + 3.5 km walk	54 minutes	\$1.10
	(ii) 11.5 km bike	58 minutes	Nil
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- b. For each friend, decide which way you think is best.
 - c. Which friend is easiest to get to? Which is hardest? How did you decide?
 - d. Discuss your decisions with a classmate.
2. Mika and his friends all want to meet for practice at the rugby club.
 - a. Draw up another table (similar to the one above). For each boy, show two ways of getting from home to the club, along with the times and costs.
 - b. Which method do you think is best for each boy?
 - c. Explain to a classmate how you made your decisions.

