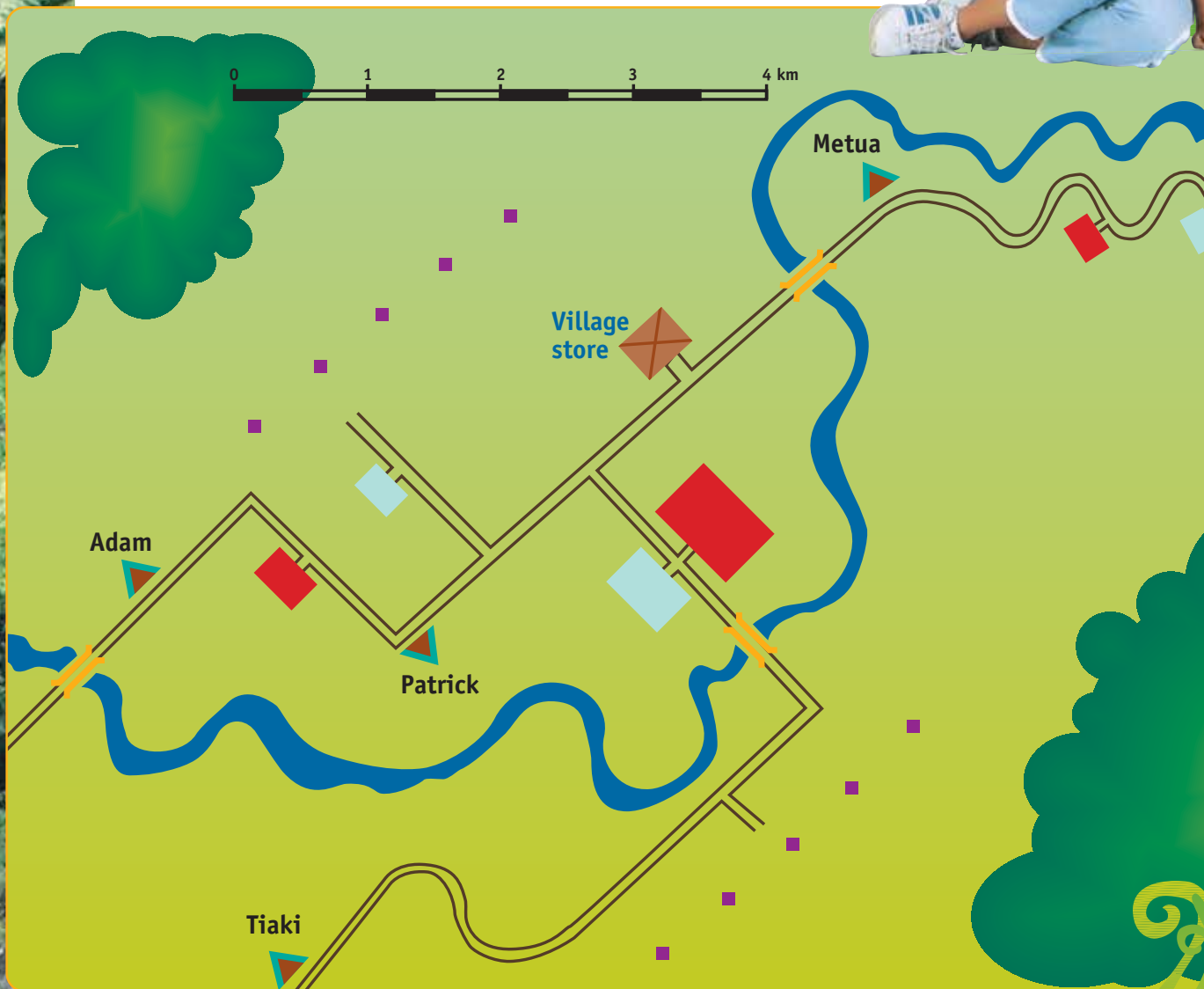# *Ways to the Store*

You need: string

ACTIVITY

Metua, Tiaki, Patrick, Hana, and Adam were all on camping holidays in Huia Valley with their families. Each day, they journeyed to the village store for supplies.
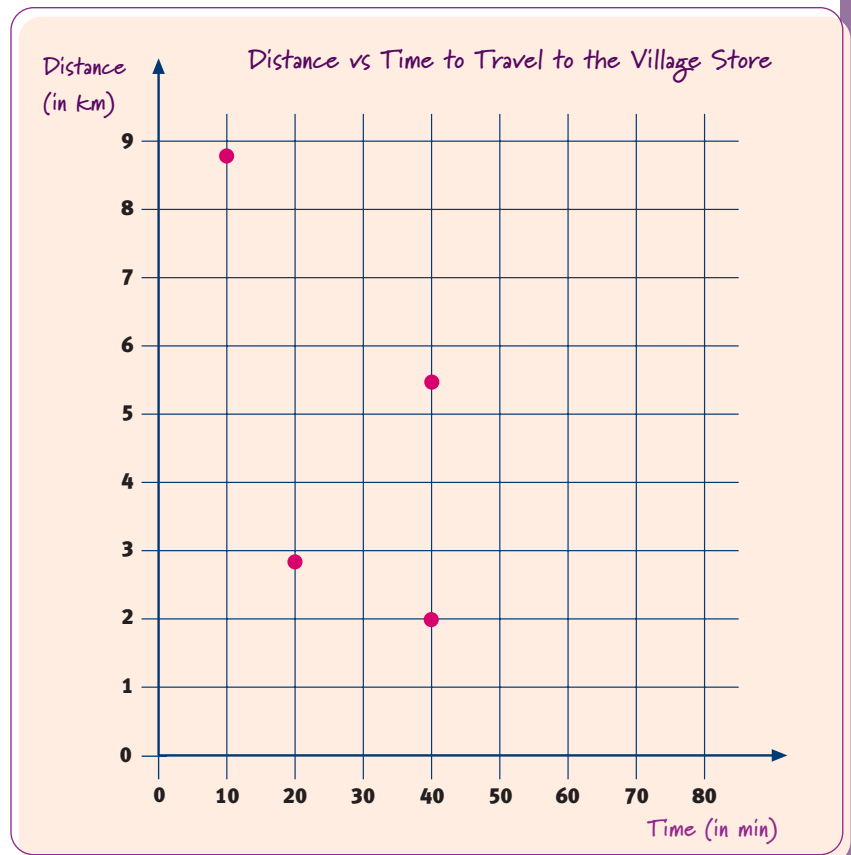
Hana and Tiaki travelled by car, Metua walked, and Adam went by bicycle. Patrick walked or biked.

Here is a map of their campsites:

Key

Road	
Bridge	
River	
Tent sites	
Caravan sites	
Kitchen and barbecue facilities	
Village store	
Shower and toilet facilities	
Native bush	

Using and interpreting graphs of relationships

Distance vs Time to Travel to the Village Store

Distance (in km) — vertical axis, marked 0 to 9
Time (in min) — horizontal axis, marked 0 to 80

The graph above shows the time it took four of the campers to get from their campsites to the store on Tuesday and the distance of their sites from the store.

1. a. Draw the graph and label each point with the name of the person that it represents.
   b. Who is missing? How do you know?
   c. Mark a point on your map to represent the missing person.

2. How did Patrick get to the store? How do you know?

3. If the missing person biked to the store, how long would he or she take?

4. The driver of Hana's car can drive at 70 kilometres per hour on a straight road but only 40 kilometres per hour on a windy road. The driver must slow down to 30 kilometres per hour on some corners.

   Draw a graph showing how the speed of Hana's car changes as she goes from the campsite to the store.