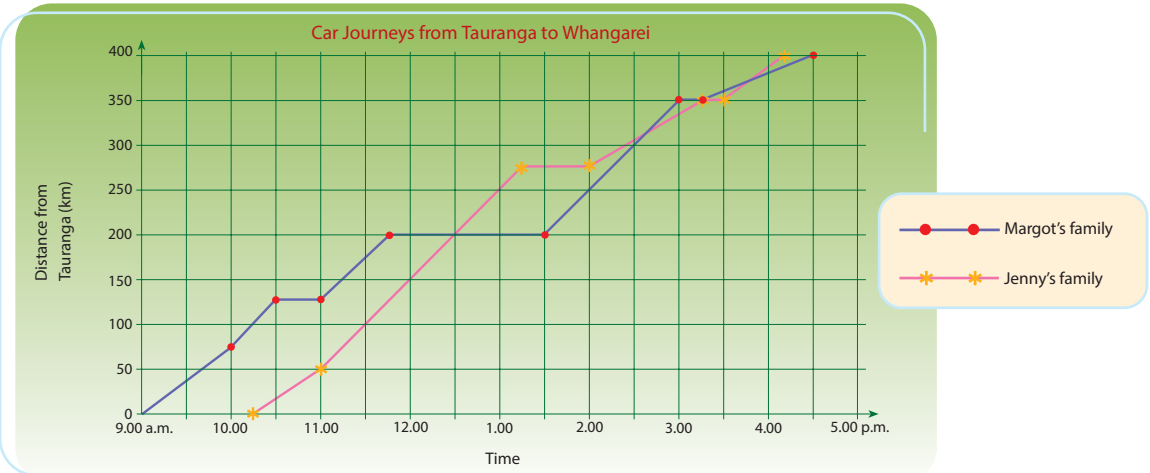


Car Journeys

You need: graph paper

ACTIVITY

Margot and her family travelled by car from Tauranga to a place near Whangarei for a big family reunion. Her cousin Jenny's family also travelled by car from Tauranga on the same day. Their journeys are shown on the graph below.



- What time did each family leave, and how long was each journey?
- Margot's family made 3 stops. The first was for drinks, the second was for lunch and a swim, and the third was for petrol.
 - When did each stop occur?
 - How long did each stop take?
 - When was the slowest part of the journey for Margot's family, apart from the stops? Explain how you can tell.
- At what times (approximately) did Jenny's family pass Margot's family?
- What was the average speed for Jenny's family between 11 a.m. and 12 p.m.?
 - What was the average speed for Margot's family between 10 a.m. and 11.30 a.m., including the stops?
- Draw a time versus distance graph for an imaginary journey in your area. The distances and times need only be approximate. Include stops for various reasons. Base it on a real journey if you prefer. Write a description of your journey.

