



Maths Week/ Wiki Pāngarau 2025



Survivor Series/Kia Mōrehurehu

Day 3 Set C

For students

What to do for students

- 1 You can work with one or two others. Teams can be different each day.
- 2 Do the tasks and write any working you did, along with your answers, in your maths book.
- 3 Your teacher will tell you how you can get the answers to the questions and/or have your work checked.
- 4 When you have finished each day, your teacher will give you a word or words from a proverb. You could ask your teacher to explain what a proverb is.
- 5 At the end of the week, put the words together in the right order and you will be able to find the complete proverb! Your teacher may ask you to explain what the proverb means.
- 6 Good luck.



DESTINATION DISCOVERY

Task 1

Xiao and Anderson are planning a trip around South Island. They have a map of South Island. Highlight on the map the places shown on the distance chart.



Travelling distances in South Island in kilometres	Queenstown	Picton	Nelson	Lake Tekapo	Kaikoura	Hokitika	Hanmer Springs	Fox Glacier	Dunedin	Christchurch	Blenheim
Blenheim	785	28	118	529	128	362	258	520	663	308	
Christchurch	482	336	415	226	180	251	133	409	360		
Dunedin	282	619	770	288	535	552	488	530			
Fox Glacier	328	546	483	450	523	158	411				
Hanmer Springs	609	286	300	354	130	252					
Hokitika	484	388	352	405	365						
Kaikoura	657	156	246	401							
Lake Tekapo	256	560	638								
Nelson	809	134									
Picton	813										
Queenstown											



Task 2

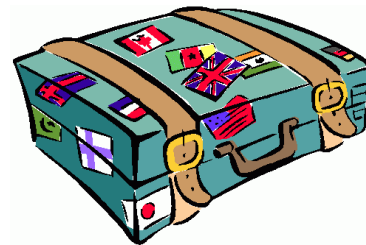
The yellow markings on the chart show how to read the chart. They show that the distance between Dunedin and Hanmer Springs is 488 kilometres.

- What is the distance shown on the chart between Hanmer Springs and Picton?
- What is the distance shown on the chart between Lake Tekapo and Hokitika?
- What is the distance shown on the chart between Nelson and Picton?
- Which two places on the chart are exactly three hundred kilometres apart?
- Which two places on the chart are the same number of kilometres apart as the number of days in this year?
- Which two places are closest together on the chart?
- How far apart are the two closest places?
- Which two places are furthest apart on the chart?
- How far apart are the furthest apart places?
- Lake Tekapo and Fox Glacier look like they are close on the map but are 450 kilometres according to the Travelling distances chart. Why might this be?

Task 3

Xiao and Anderson are using another chart showing estimated travel times between these places to plan their trip.

Travelling times in South Island in kilometres	Queenstown	Picton	Nelson	Lake Tekapo	Kaikoura	Hokitika	Hanmer Springs	Fox Glacier	Dunedin	Christchurch	Blenheim
Blenheim	9:36	0:24	1:40	6:34	1:34	4:36	3:28	6:41	8:14	3:55	
Christchurch	5:51	4:15	5:13	2:49	2:20	3:13	1:41	5:21	4:28		
Dunedin	3:31	8:35	9:32	3:30	6:43	6:56	6:04	6:59			
Fox Glacier	4:36	7:04	6:23	5:39	6:58	2:10	5:26				
Hanmer Springs	7:23	3:47	3:48	4:19	1:51	3:12					
Hokitika	6:43	4:53	4:12	5:01	4:47						
Kaikoura	8:01	1:58	3:16	5:00							
Lake Tekapo	3:02	6:55	7:55								
Nelson	10:53	1:50									
Picton	9:59										
Queenstown											



The yellow markings on the chart show how to read the chart. They show that the approximate travel time between Nelson and Fox Glacier is six hours and twenty-three minutes, represented on the chart by 6:23.

- How long should a trip between Christchurch and Lake Tekapo take?
- How long should a trip between Nelson and Picton take?
- Xiao and Anderson arrive in Picton by ferry to start their trip. They decide to drive from Picton to Blenheim first. How long should this journey take?
- On reaching Blenheim, they stop for a break, walk around Blenheim and have morning tea for an hour before continuing to Kaikoura, where they plan on staying for two nights. How long will the break for morning tea and the drive to Kaikoura take in total?
- How many kilometres will they drive between Picton and Kaikoura?
- After their stop in Kaikoura, they decide to head to Hanmer Springs. They leave Kaikoura at 9:30am and plan to stop for morning tea for 55 minutes. At what time should they arrive at Hanmer Springs?

Task 4

Xiao and Anderson continue their journey by visiting the following places after Hanmer Springs (in this order):

- Christchurch
- Lake Tekapo
- Dunedin
- Queenstown
- Fox Glacier
- Hokitika
- Nelson

And then they return to Picton to take another ferry back to Wellington.

Mark on the map the route that they take. Clearly mark the place in South Island where their journey begins.

Write down the distances as shown on the distances chart provided between each of the eleven places visited and then calculate the total distance of their planned journey.

Then write down the approximate time for each of these journeys and then calculate the expected total travel time. Remember that there are sixty minutes in each hour.



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