

Coast to Coast

You need: a calculator

ACTIVITY

The Wilson family have all gone to the South Island to be Dad's support crew in the Coast to Coast race, which involves running, cycling, and kayaking. Dad is competing as an individual in the 2 day event.



Day 1

7 a.m. A running start!

- Dad reached his bike at 7:17:20. What was his average speed for the run?
- He reached Deception Footbridge at 9:32:16.
 - How long did this cycling stage take?
 - What was his average cycling speed? Round your answer to the nearest kilometre per hour.
- Mountain running next! Mum picked up the bike, and Dad set off along the Deception riverbed for the last stage of day 1.

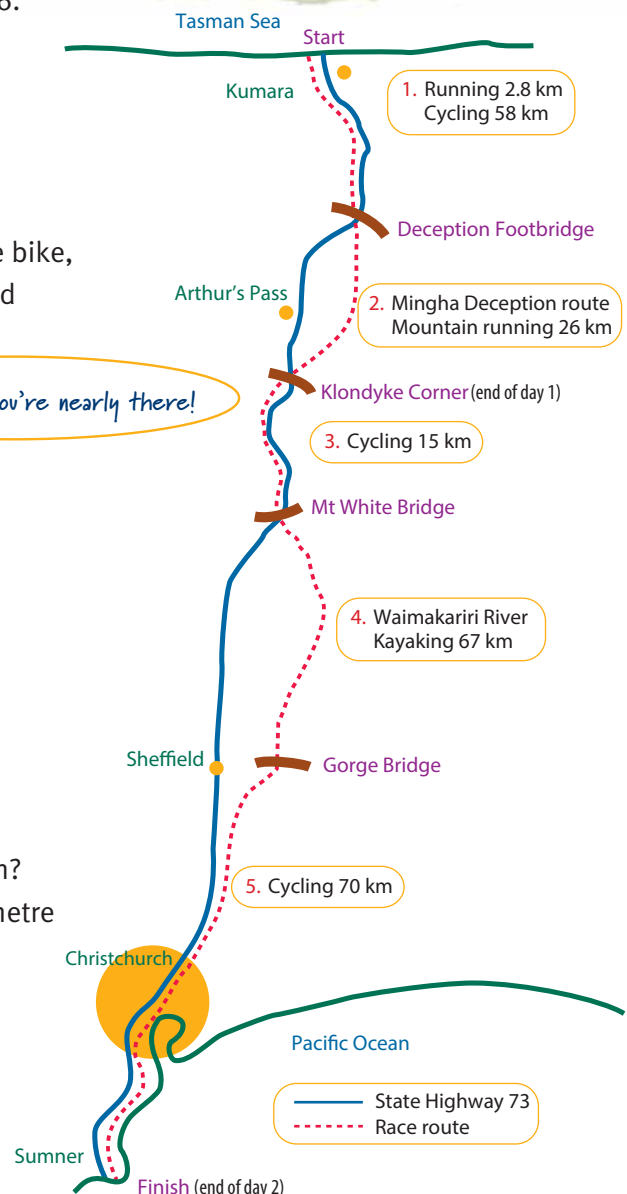
Here he comes!

Come on, Dad! You're nearly there!



Dad reached Klondyke Corner at 2:59:06.

- How far had he travelled on day 1?
- How long did the mountain run take?
- What was his average speed for this run? Round your answer to the nearest kilometre per hour.
- Why do you think Dad was slower on average over this run?
- What was his average speed for day 1?



Day 2

7.30 a.m. Another cycling leg

Mum and Nathan left early to deliver the kayak to Mount White Bridge.

Have a good day, Dad!



4. If Dad cycled at an average speed of 26 kilometres per hour, what time did he arrive at Mount White Bridge?
5. His average speed for the kayak section from Mount White Bridge to Gorge Bridge was 12 kilometres per hour. How long did this part of the journey take?
6. What time did he arrive at Gorge Bridge?

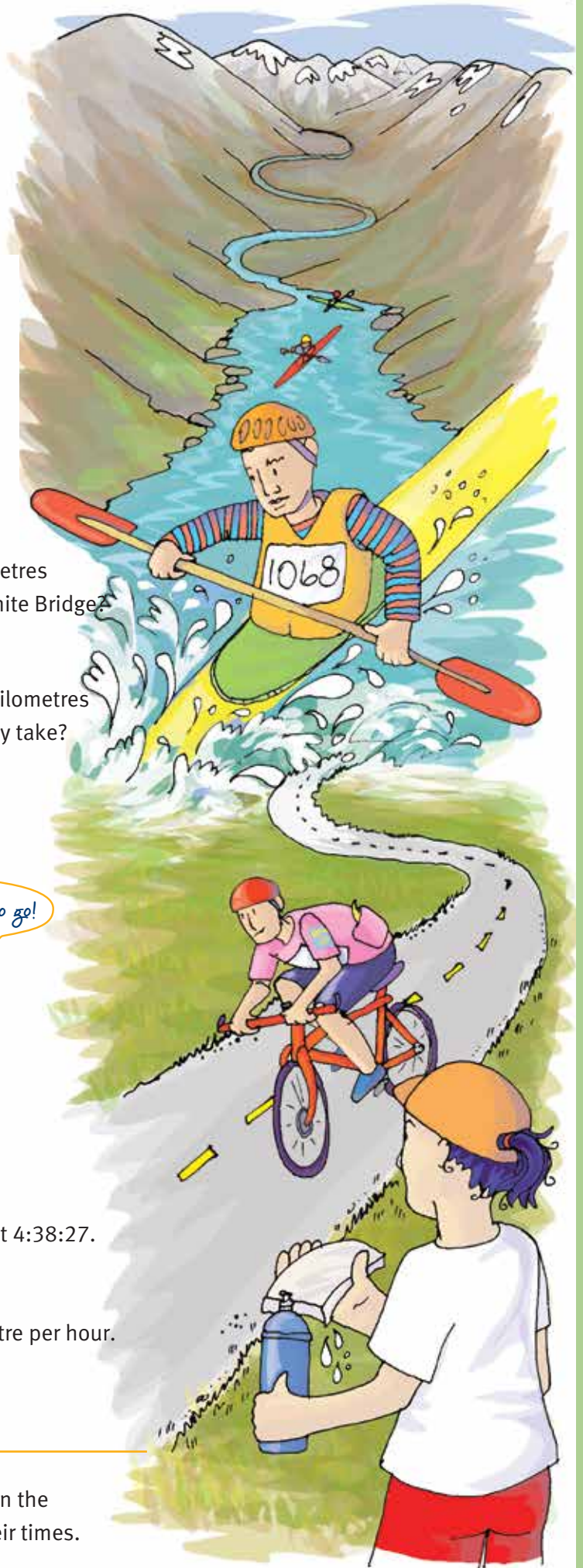
I can see him now!

It's nearly over, Dad! Way to go!

Well done, Dad!



7. Last cycle leg: Dad arrived at Sumner Beach at 4:38:27.
 - a. How long did this leg take?
 - b. What was his average speed for this leg?
Round your answer to the nearest kilometre per hour.
 - c. What was the total distance of the race?
 - d. What was Dad's total time?



Check out the event times for actual competitors in the Coast to Coast race. Compare Dad's time with their times. (The website address is www.coasttocoast.co.nz)