

Problem 4

Tim's Trip



It's 7km from Tim's house to where his Grandma lives. It's uphill on the way there so he can only cycle at 14kph but he can do 21kph on the way back.

Tim leaves his house at 6pm. How long can he stop at his Grandma's house if he wants to be back home for his favourite TV program at 7pm?

Extension

At what time should Tim leave if he wants to spend 45 minutes at his grandma's?

Answer: