Our question:
How long does the average person spend in the shower in their lifetime?

What we need to find out or estimate:
What is the length of an average lifetime?
What is the length of an average shower?

Our plan:
We know the average lifetime is 79 years because we found that information on the Statistics New Zealand website.

To work out the length of an average shower we are all going to time ourselves and other members of our family in the shower and then use these times to calculate an average time.

Our calculations:

Person	Time in shower
Jack	8 minutes
Jack's mum	3 minutes
Andrew	15 minutes
Andrew's brother	6 minutes
Andrew's dad	5 minutes
Sarah	12 minutes
Sarah's sister	8 minutes

8 + 3 + 15 + 6 + 5 + 12 + 8 = 57
57 ÷ 7 = 8.1, 8 minutes

We asked our families and most people have a shower every day, but some people have more than one a day and some people have less then one a day so we are assuming the average person has one shower a day.

In 79 years there are 79 x 356 days = 28 124 days.
28 124 days x 8 minutes = 224 993 minutes
224 993 minutes ÷ 60 minutes in an hour = 3 749 hours
3 749 hours ÷ 24 hours in a day = 156 days
156 days ÷ 30 days in an average month = 5.2 months

Our conclusion:
The average person spends just over 5 months of their life in the shower.

nzmaths.