

Travelling With Numbers 1

Problem

Justine and her friends are on a motorway driving to a music concert.

They pass a sign indicating that they still have 100 miles to drive to the concert, which is two miles further than the end of the motorway.

Justine notices that she only has 86 miles of petrol remaining and realises that she will need more to get to the concert.

They also want to get some hot food and to use a bank machine to get cash, so they want a service station that provides all three services.

Justine tells her friends to find out where there are service stations on the motorway.

After using their mobile phones and searching online the friends discover there are service stations that sell petrol and hot food every 30 miles. There are stations that sell petrol and have a bank machine every 18 miles.

They passed a service station 13 miles before the sign that indicated that the concert was 100 miles away. This station sold petrol and had hot food and a bank machine.

They want to get to the concert on time and spend as little time stopping as possible.



What would you advise Justine and her friends to do?

