

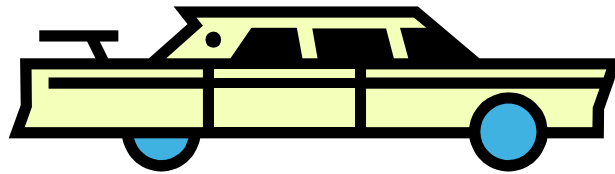
Name: _____ Date: _____

DRIVING DETOUR

Solution

Mr. Brown's office is on a winding side road next to a highway exit. He was driving on the highway at 60 mph, and at this rate he expected to arrive at his office at 8:45 A.M. However, at 8:30 he was forced to leave the highway and take a side road, driving at a steady speed of 40 mph for the rest of the way. He arrived at his office 15 minutes later than originally planned.

How many miles did he drive on the side road?



Solution: He drove on the side road for 20 miles.

Hint: *If he expected to arrive at 8:45 and he was 15 minutes late, he was on the side road for 30 minutes. He traveled for 30 minutes at 40 mph.*