

Navigation Answer Key

Scenario	distance along highway (miles)	time on highway (hours) $t = d/s$	distance on secondary roads (miles)	time on secondary roads (hours) $t = d/s$	total time (hours)	total time (minutes) min = hrs x 60
#1 (using exits 17-16)	1	$1/50 = 0.02$	1.3	$1.3/20 = 0.065$	0.085	5.1 min
#2 (using exits 17-16)	1	$1/50 = 0.02$	1.8	$1.8/20 = 0.09$	0.11	6.6 min
#3 (using exits 16-15)	1	$1/50 = 0.02$	1.5	$1.5/20 = 0.075$	0.095	5.7 min
#4 (using exits 15-17)	2	$2/50 = 0.04$	0.9	$0.9/20 = 0.045$	0.085	5.1 min
#5 (using exits 17-16)	1	$1/50 = 0.02$	1.6	$1.6/20 = 0.08$	0.1	6 min