

The next calculation is how much time it takes to cover 7.5 nautical miles at 83 knots—the rest of the distance to our first visual checkpoint (Calistoga). Figure 67 shows that it takes approximately 5.4 minutes to cover 7.5 miles at 83 knots. We'll put this information in position C of our flight plan.

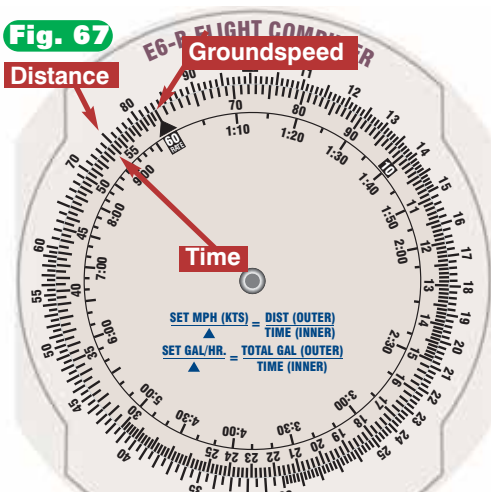
The last item we must determine is how much fuel we use during the 5.4 minute cruise segment when we're consuming fuel at a previously determined rate of 8.5 GPH. Figure 68 shows that .77 gallons are used for this 5.4 minute segment. We'll put this information in position D of our flight log.

Based on a slower 73 knots climb speed, we have a groundspeed of approximately 55 knots and a wind correction angle of 12 degrees to the left during the climb.

Our computer shows that during the 10 minute climb, we'll cover approximately 9 miles at the climb groundspeed of 55 knots.

Fig. 67

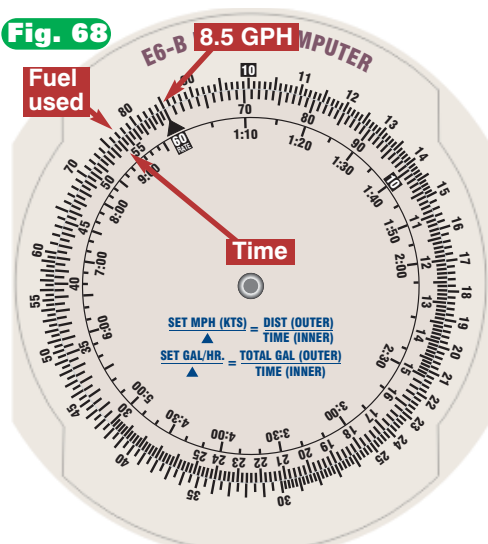
Distance



It takes 5.4 minutes to cover 7.5 miles at a cruise groundspeed of 83 knots (7.5 miles is the distance left to our first visual checkpoint after reaching our cruise altitude).

Fig. 68

Fuel used



At 8.5 GPH, we'll use .77 gallons of fuel for the 5.4 minute cruise segment.

