(3) Cruise Power Best Economy Mixture	75% rated power (2625 RPM)
(4) Cruise Speed	118 KTS TAS*
(5) Cruise Fuel Consumption	8.5 GPH
(6) Cruise Time (e)(2) divided by (e)(4), (283.5 miles divided by 118 KTS)	2.39 hrs.
(7) Cruise Fuel (e)(5) multiplied by (e)(6), (8.5 GPH mulitiplied by 2.40 hrs.)	20.3 gal.

(f) Total Flight Time

The total flight time is determined by adding the time to climb, the time to descend and the cruise time. Remember! The time values taken from the climb and descent graphs are in minutes and must be converted to hours before adding them to the cruise time.

The following flight time is required for our flight planning example.

(1) Total Flight Time (c)(3) plus (d)(1) plus (e)(6), (.15 hrs. plus .05 hrs. plus 2.39 hrs.)	2.59 hrs.

(g) Total Fuel Required

Determine the total fuel required by adding the fuel to climb, the fuel to descend and the cruise fuel. When the total fuel (in gallons) is determined, multiply this value by 6 lb/gal. to determine the total fuel weight used for the flight.

The total fuel calculations for the example flight plan are shown below.

(1) Total Fuel Required (c)(5) plus (d)(3) plus (e)(7), (2.0 gal. plus .5 gal. plus 20.3 gal.)	22.8 gal.
(22.8 gal. multiplied by 6 lb/gal.)	136.8 lbs.

*reference Figure 5-23