

## Chapter 8

### Aircraft Performance

Plan a flight from Bremerton, WA (KPWT) to Bellingham, WA (KBLI) in a typical Cessna 172S-G1000. Winds are calm at both airports, so you can use whatever runway you want. Winds aloft are

FT	3000	6000	9000	12000	18000	24000	30000	34000	39000
SEA	2413	2624+12	2435+09	2134+06	2745-06	2655-18	267133	267643	258152

1. What altitude did you select? (Is this a easterly or westerly flight?)

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2. What is your time, distance, and fuel used to get to that altitude?

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3. What is your true airspeed at that altitude?

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4. What are the winds aloft at that altitude?

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5. What magnetic heading will you hold?

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6. What is your ground speed?

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7. How far from KBLI will you start your descent?

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8. How long will it take you to get to the top-of-descent (TOD) and how much fuel did you use?

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