

5. What is the service ceiling for your aircraft?

C-152 _____
C-172N _____
C-172P _____
C-172R _____
C-172S _____

6. We can determine pressure altitude by setting the altimeter to 29.92". Calculate mathematically the pressure altitude at DWH with a current barometric pressure of 29.35"?

7. What is density altitude? When do we use density altitude?

8. On a standard day (temperature 15°C/59°F, altimeter 29.92", no wind) with your aircraft at maximum gross takeoff weight, what are the short field takeoff and landing distances?

	C-152	C-172N	C-172P	C-172R	C-172S
Takeoff					
50' Obstacle					
Landing					
50' Obstacle					

9. What grade or grades of fuel can be safely used in your aircraft? What are the colors of the recommended fuels? What happens to the color of the fuel if two grades are mixed?

10. What is your glide range at 3000' AGL with zero winds? _____

11. When do you use carburetor heat? What are the indications of carburetor icing? Fuel injected engines do not have carburetor heat. Why?

