

Piper Warrior Aircraft Quiz

1. Name the make and model and HP of the engine:
2. How many Qts. of oil max? _____ min?_____
3. This airplane operates in:
 - A. Normal Category
 - B. Utility Category
 - C. Both
4. The main gear struts are normally extended 4.5 inches, while the nose gear is _____ inches.
5. A spring loaded centering mechanism is installed:
 - A. On the Rudder
 - B. On the Ailerons
 - C. Both
 - D. Neither
5. Flaps are extended manually using a handle between the seats. The detents are at 10, 25, and _____ degrees.
6. The only approved fuel for this particular airplane is: _____
7. The main tanks hold 48 gallons of useable fuel. When the fuel is down to the tabs they contain approx. _____ gallons each.
8. This airplane has how many fuel drains?
9. The purpose of the electric fuel pump is to replace the engine driven pump in the event of failure. It should be turned ON for takeoffs and landings. T or F
10. This airplane has a _____ volt electrical system and a 60 amp alternator.
11. The battery is located:
 - A. In the engine compartment
 - B. Behind the baggage compartment
 - C. Under the right rear passenger seat
12. Is it possible to turn off the alternator in flight and run on battery power only? **Yes No**
13. The only indication of alternator failure in the plane is:
 - A. A discharge on the ammeter
 - B. A zero indication on the ammeter
 - C. A red warning light
14. A pilot can reset the over voltage relay by turning the _____ off for at least 1 second. (assuming all circuit breakers are in.)
15. Which instruments run on vacuum pressure?
16. This airplane is equipped with a standby vacuum system. **T or F**
17. If the static line becomes plugged which instruments will be inoperative?
18. There is an alternate static valve located by the pilots left knee. **T or F**
19. Max gross takeoff weight for this plane is:
20. Max weight for the baggage compartment is:

21. Is the following load within limits? Pilot: 180 lbs, Co-Pilot 180 lbs, Pax 1 170 lbs, Pax 2 135lbs, Bags 25lbs, Fuel Reduced to Tabs: **Yes or No?**

22. In order to use the takeoff and landing performance charts in the 1974 POH, you must first compute density altitude before entering the chart. **T or F**
(remember also, POH speeds are MPH and outer scale of the airspeed indicator is in KTS)

Approx. how many hours can you fly at normal cruise, with fuel at the tabs, and still land with a 1 hour reserve? _____

Vspeeds

Vs0

Vs

Vx

Vy

Va

Best Glide

Vfe

Vno

Vne

Crookston Aviation Policies:

Max wind for your certificate level?

When fueling aircraft should be parked into the wind. T or F

This airplane is currently using what brand/grade of oil?

CTAF Frequency: _____ AWOS Frequency: _____

Name: _____ Date: _____ Signature: _____