

BEFA SUPER DECATHLON 6 MONTH QUIZ
8KCAB N93WE

PILOT: _____ INSTRUCTOR: _____ DATE: _____

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1. What is the maximum takeoff gross weight? _____
 2. What is the empty weight with oil? _____
 3. What is the remaining useful load? _____
 4. What is the useful load with 20 gallons of fuel? _____
 5. Is the gross weight limit the same for both Normal and Acrobatic Category? _____
 6. Can you fly with a 200 lbs pilot including parachute and a 200 lbs instructor with parachute and half fuel? _____
 7. What is the maximum oil capacity? Minimum? _____
 8. Where are the fuel drains located? _____

 9. Where are the static ports located?

 10. What is the make, model, and horsepower of the engine?

 11. What is the make, model, and type of propeller?

 12. Describe the engine start procedure:

 13. What is the flooded start procedure?

 14. List the IAS (mph) for the following airspeeds:
 $V_X =$ $V_Y =$ $V_{BestGlide} =$ $V_{A @ GW} =$ $V_{GoAround} =$
 $V_{Short App} =$ $V_S @ 0^\circ =$ $V_S @ 40^\circ =$ $V_{NO} =$ $V_{NE} =$

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15. What is the ground roll and total distance to clear a 50 foot obstacle at maximum gross weight, sea level, standard temperature (15° C), on a hard surface runway with a 10 mph headwind?

16. What if you took off from a soft field in the question above?

17. What is the maximum airspeed permitted with the window open?

18. How long does it take to refill the inverted system fuel tank after it has been depleted?

19. Describe the engine air restart procedure:

20. Will oil pressure increase, decrease, or remain the same for inverted flight?

21. With an alternate static source provided from within the cabin (somehow you managed to break the glass face of the altimeter, airspeed indicator, or VSI...) will your indicated airspeed and altitude be reliable?

22. Propeller Limitations: For normal operations avoid between continuous use between what RPM range? What about for aerobatics?

23. Sudden loss of oil pressure means something bad is going to happen soon...what does the propeller do automatically if all oil is lost from the hub?