

SCHWEIZER 2-22 QUIZ

1. What are the following placarded speeds:
 - a. Maximum dive _____
 - b. Maximum aero tow _____
 - c. Spoilers extended _____
2. The SGS 2-22 uses which units of airspeed measurement:
 - a. MPH
 - b. Knots
3. Circle the no wind approach speed in the pattern? 45mph/50mph/55mph/60mph
4. What is the glide ratio at best L/D speed?
 - a. 15:1
 - b. 18:1
 - c. 22:1
5. What are the following performance speeds?
 - a. Best L/D - solo _____
 - b. Best L/D – dual _____
 - c. Min sink – solo _____
 - d. Min sink – dual _____
 - e. Stall speed – solo _____
 - f. Stall speed – dual _____
 - g. Stall speed – dual at 30 degree bank _____
6. On a no wind, no lift day you've released at 4300' msl. How far can you venture from KBTA?
 - 6a. Best L/D is 18:1 at 40 mph.
 - 6b. $5280/18 =$ _____ ft/SM
 - 6c. Apply factor of safety to 6b. $6b \times 2 =$ _____ This is your no wind rule of thumb (ROT). Could it also be used working upwind? Yes/No (circle)
 - 6d. Take current altitude above pattern altitude divided by 6c = _____ SM gliding distance with no wind at 4300' msl release altitude.
7. You've been flying the 2-22 and were blown downwind. You are facing a 20-mph headwind and worried that you'll get back to KBTA. You've pointed the nose directly back to KBTA, what's the speed to fly?
 - a. 40 mph
 - b. 50 mph
 - c. 60 mph
 - d. 70 mph
8. As you recover the shock of being blown downwind, you remember the ROT you had committed to memory for this situation. You've decided to add the full wind velocity IAW with flight manualin this case $40+20=60$ mph.
 - a. What's your groundspeed (GS) \rightarrow (IAS-HW) = 40mph
 - b. What's your effective glide ratio using GS/AS times 18:1 = _____
 - c. $5,280' \text{-SM}/8b =$ _____
 - d. Take 8c time a factor of safety of two = _____ ROT @20mph headwind.
 - e. Should you ever, ever let yourself get blown down wind? Y/NEVER (circle)

9. What position should the trim lever be in for takeoff solo? Forward position/Rear position
10. What position should the trim lever be in for takeoff dual? Forward position/Rear position
11. What is the empty weight? _____
12. What is the maximum weight? _____
13. How do you activate the wheel brake? _____
14. Which tow ring do you use on the Schweizer 2-22? Tost/Schweizer (circle)