

Collision avoidance scanning

- S2-93. What other technique is used for locating aircraft in the airport area besides communicating on the radio?
- A. Have your passenger or instructor look for traffic.
 - B. Collision avoidance scanning.
 - C. Follow the specific pattern for the airport. And stay on the radio.
- S2-94. What is an efficient technique for scanning the area around you to avoid collisions with other aircraft?
- A. Pick an area, scan it, and move to a new area systematically.
 - B. Quickly glance over the complete sky again and again to make sure nothing is there.
 - C. Perform a 360-degree circle to scan the complete sky in the pattern if it is crowded.
- S2-95. Where is the most important area to be scanning for other aircraft?
- A. Above and below you.
 - B. Where you cannot see in back of your wing.
 - C. At or near airports or in heavy air traffic areas.
- S2-96. What two techniques are used to locate aircraft in the area to sequence into an airport pattern?
- A. Radio communications and visual scanning.
 - B. Throttle manipulation to change your attitude and pattern position.
 - C. Pattern position and shadows on the ground.
- S2-97. Besides mid-air with other aircraft, and from a safety perspective, why is important to know where all other aircraft are?
- A. It does not really matter as long as you do not hit anyone.
 - B. Other aircraft turbulence.
 - C. You are required to sequence into the pattern and know where all aircraft are.
- S2-98. Where do wingtip vortices form and where do they travel?
- A. At each wingtip, and down and out.
 - B. At each wingtip, and up and in.
 - C. At each wingtip, and straight back
- S2-99. How long does it take for wingtip vortices to dissipate?
- A. They dissipate almost immediately.
 - B. Two to 5 minutes depending on the size of aircraft.
 - C. It depends on the speed of the aircraft.
- S2-100. When are wingtip vortices formed?
- A. Anytime the aircraft is airborne.
 - B. Anytime the aircraft is moving.
 - C. As soon as you start the engine.

Pre-Solo flight questions for specific airport (use separate sheet of paper, diagrams helpful)

- S2-101. Describe the airspace rules and communication frequencies for the airport for your solo flight.
- S2-102 Describe the pattern altitude and pattern directions for different wind conditions for the airport.
- S2-103 Describe the different airspeeds and weight limitations for your aircraft
- S2-104 Describe your altitude, and cross wind limitations for patterns at the airport.
- S2-105 Describe the areas in part 61 and part 91 that apply to solo flight.