

# Warrior PA-28A Endorsement Practice Test (Sample)

## Study Guide



**Everything you need from our exam experts!**

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# Introduction

Preparing for a certification exam can feel overwhelming, but with the right tools, it becomes an opportunity to build confidence, sharpen your skills, and move one step closer to your goals. At Examzify, we believe that effective exam preparation isn't just about memorization, it's about understanding the material, identifying knowledge gaps, and building the test-taking strategies that lead to success.

This guide was designed to help you do exactly that.

Whether you're preparing for a licensing exam, professional certification, or entry-level qualification, this book offers structured practice to reinforce key concepts. You'll find a wide range of multiple-choice questions, each followed by clear explanations to help you understand not just the right answer, but why it's correct.

The content in this guide is based on real-world exam objectives and aligned with the types of questions and topics commonly found on official tests. It's ideal for learners who want to:

- Practice answering questions under realistic conditions,
- Improve accuracy and speed,
- Review explanations to strengthen weak areas, and
- Approach the exam with greater confidence.

We recommend using this book not as a stand-alone study tool, but alongside other resources like flashcards, textbooks, or hands-on training. For best results, we recommend working through each question, reflecting on the explanation provided, and revisiting the topics that challenge you most.

**Remember:** successful test preparation isn't about getting every question right the first time, it's about learning from your mistakes and improving over time. Stay focused, trust the process, and know that every page you turn brings you closer to success.

Let's begin.

# How to Use This Guide

**This guide is designed to help you study more effectively and approach your exam with confidence. Whether you're reviewing for the first time or doing a final refresh, here's how to get the most out of your Examzify study guide:**

## **1. Start with a Diagnostic Review**

**Skim through the questions to get a sense of what you know and what you need to focus on. Your goal is to identify knowledge gaps early.**

## **2. Study in Short, Focused Sessions**

**Break your study time into manageable blocks (e.g. 30 - 45 minutes). Review a handful of questions, reflect on the explanations.**

## **3. Learn from the Explanations**

**After answering a question, always read the explanation, even if you got it right. It reinforces key points, corrects misunderstandings, and teaches subtle distinctions between similar answers.**

## **4. Track Your Progress**

**Use bookmarks or notes (if reading digitally) to mark difficult questions. Revisit these regularly and track improvements over time.**

## **5. Simulate the Real Exam**

**Once you're comfortable, try taking a full set of questions without pausing. Set a timer and simulate test-day conditions to build confidence and time management skills.**

## **6. Repeat and Review**

**Don't just study once, repetition builds retention. Re-attempt questions after a few days and revisit explanations to reinforce learning. Pair this guide with other Examzify tools like flashcards, and digital practice tests to strengthen your preparation across formats.**

**There's no single right way to study, but consistent, thoughtful effort always wins. Use this guide flexibly, adapt the tips above to fit your pace and learning style. You've got this!**

## Questions

- 1. What should a pilot do during a runway incursion warning on approach in the Warrior PA-28A?**
  - A. Continue landing as normal**
  - B. Execute go-around procedures and communicate with ATC**
  - C. Land quickly before further instructions**
  - D. Switch to emergency frequencies**
- 2. What is the initial reaction to an engine failure during takeoff?**
  - A. Cut power immediately**
  - B. Maintain heading and control**
  - C. Bank into the turn**
  - D. Land on the next available runway**
- 3. What type of engine injection system does the Warrior PA-28A use?**
  - A. Fuel Injection**
  - B. Carburettor**
  - C. Direct Injection**
  - D. Throttle Injection**
- 4. Where are the fuel caps located on the Warrior PA-28A?**
  - A. Fuselage**
  - B. Wings**
  - C. Tail**
  - D. Underneath the aircraft**
- 5. What is the best angle of climb speed?**
  - A. 60 KIAS**
  - B. 63 KIAS**
  - C. 66 KIAS**
  - D. 69 KIAS**

- 6. What type of landing gear does the Warrior PA-28A have?**
- A. Conventional landing gear**
  - B. Retractable landing gear**
  - C. Tricycle landing gear**
  - D. Fixed tailwheel landing gear**
- 7. Which safety features are standard on the Warrior PA-28A?**
- A. Automatic seat belts and parachutes**
  - B. A shoulder harness, fire extinguisher, and emergency locator transmitter (ELT)**
  - C. Only a fire extinguisher and smoke detector**
  - D. Airbags and emergency oxygen masks**
- 8. What is the significance of the red radial on the fuel gauge in the Warrior PA-28A?**
- A. Indicates the tank is full**
  - B. Indicates critical fuel levels**
  - C. Indicates unserviceable fuel levels**
  - D. Indicates fuel filter blockage**
- 9. What is the inflation requirement for a properly maintained nose gear strut?**
- A. 2.5"**
  - B. 3.0"**
  - C. 3.25"**
  - D. 3.5"**
- 10. What indicates that the Warrior PA-28A has reached an appropriate speed for takeoff?**
- A. The aircraft feels lighter in weight**
  - B. The control surfaces provide no resistance**
  - C. The airspeed reaches the calculated takeoff speed**
  - D. All instruments are showing green**



## **Answers**

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1. B
2. B
3. B
4. B
5. B
6. C
7. B
8. C
9. C
10. C

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## **Explanations**

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**1. What should a pilot do during a runway incursion warning on approach in the Warrior PA-28A?**

- A. Continue landing as normal**
- B. Execute go-around procedures and communicate with ATC**
- C. Land quickly before further instructions**
- D. Switch to emergency frequencies**

During a runway incursion warning on approach, the appropriate response is to execute go-around procedures and communicate with air traffic control (ATC). This response is essential because a runway incursion indication suggests that there may be an obstacle, typically another aircraft or vehicle, on the runway that could compromise the safety of your landing. Executing a go-around provides the pilot with the necessary altitude and time to assess the situation more safely. It allows the pilot to stabilize the aircraft and prevents a potential incident caused by landing while there is a risk of collision. Communication with ATC is crucial at this moment, as they can provide updated information about the situation on the runway and ensure that the path is clear for a safe landing subsequently. This collaborative approach enhances safety and maintains situational awareness, enabling the pilot to make informed decisions based on the current circumstances. The other choices do not prioritize safety as effectively as the recommended action.

**2. What is the initial reaction to an engine failure during takeoff?**

- A. Cut power immediately**
- B. Maintain heading and control**
- C. Bank into the turn**
- D. Land on the next available runway**

Maintaining heading and control is the correct initial reaction to an engine failure during takeoff because it is critical to prioritize aircraft control in this emergency situation. When an engine failure occurs right after takeoff, the pilot needs to ensure that the aircraft remains flying straight and level to avoid excessive yaw and potential loss of control. This involves managing the aircraft's attitude, maintaining airspeed, and keeping the wings level to prevent a stall. Cutting power immediately could disrupt control and result in a rapid descent. Banking into a turn can lead to a loss of altitude and increase the risk of a stall, as the aircraft may not have the power needed to perform a turn safely. While landing on the next available runway can become a goal, it is essential to first stabilize the aircraft and ensure it is under control before making any decisions about landing. In summary, maintaining heading and control allows the pilot to manage the situation effectively and assess the best course of action following the engine failure.

**3. What type of engine injection system does the Warrior PA-28A use?**

- A. Fuel Injection**
- B. Carburettor**
- C. Direct Injection**
- D. Throttle Injection**

The PA-28A Warrior is equipped with a carbureted engine system. In this particular aircraft, the carburetor mixes air and fuel before it enters the engine for combustion. This system is widely used in general aviation aircraft because it is less complex and easier to maintain than fuel injection systems. Carburetors rely on atmospheric pressure and Bernoulli's principle to draw fuel into the airflow, creating a fuel-air mixture that is crucial for engine performance. While there are various forms of fuel delivery systems, carburation remains a reliable choice for many light aircraft, contributing to the simplicity and efficiency of operations, especially for pilots who may not require the advanced features of fuel injection systems.

**4. Where are the fuel caps located on the Warrior PA-28A?**

- A. Fuselage**
- B. Wings**
- C. Tail**
- D. Underneath the aircraft**

The fuel caps on the Warrior PA-28A are located on the wings. This design facilitates easy access to the fuel tanks for refueling, while also keeping the center of gravity considerations in mind, as wing-mounted fuel tanks help in balancing the aircraft during flight. Wing fuel tanks are common in many light aircraft, as they allow for efficient use of space and optimize the aerodynamics of the fuselage. The other locations mentioned typically do not house fuel caps in this particular aircraft design. While the fuselage may contain other critical access points, it is not the location for fuel access on this model. The tail area typically serves structural and control functions rather than fuel storage. Similarly, having the fuel caps located underneath the aircraft would complicate the refueling process and is not a standard design feature for this type of aircraft. Thus, recognizing that the wings are designed to accommodate fuel storage is key for understanding the configuration of the Warrior PA-28A.

**5. What is the best angle of climb speed?**

- A. 60 KIAS**
- B. 63 KIAS**
- C. 66 KIAS**
- D. 69 KIAS**

The best angle of climb speed, often referred to as  $V_x$ , is the speed at which an aircraft can achieve the maximum altitude over the shortest horizontal distance. This speed is crucial during takeoff when an aircraft needs to clear obstacles or terrain immediately after departure. For the PA-28A, the recommended  $V_x$  is typically around 63 KIAS, making it the most suitable choice. Flying at this speed allows the aircraft to ensure the best possible climb performance during critical phases of flight, such as when you're flying out of an airport with obstacles nearby. Understanding and utilizing  $V_x$  is essential for pilots to enhance safety and performance, especially in takeoff scenarios where altitude gain is more critical than forward distance.

## 6. What type of landing gear does the Warrior PA-28A have?

- A. Conventional landing gear
- B. Retractable landing gear
- C. Tricycle landing gear**
- D. Fixed tailwheel landing gear

The Warrior PA-28A is equipped with tricycle landing gear, which consists of two main wheels located under the wings and a nose wheel at the front. This configuration provides several advantages for both takeoff and landing. The design enhances stability and control during ground operations, as the center of gravity is further forward, allowing for easier directional control and reduced chances of tail strikes. Tricycle landing gear also facilitates a more level attitude during the landing phase, making it generally safer and more forgiving for pilots, especially those who may be transitioning from other types of aircraft. This landing gear setup is common in many training aircraft, as it promotes a more straightforward operation for learners. In contrast, other types of landing gear mentioned would not apply to the Warrior PA-28A. Conventional landing gear typically refers to a tailwheel configuration, which can be more challenging for inexperienced pilots. Retractable landing gear is designed to be raised and stowed during flight to reduce drag, but the PA-28A features fixed landing gear for simplicity and reliability. Lastly, fixed tailwheel landing gear again points to a design that isn't utilized in the Warrior PA-28A, reinforcing that the tricycle configuration is indeed the correct choice for this aircraft.

## 7. Which safety features are standard on the Warrior PA-28A?

- A. Automatic seat belts and parachutes
- B. A shoulder harness, fire extinguisher, and emergency locator transmitter (ELT)**
- C. Only a fire extinguisher and smoke detector
- D. Airbags and emergency oxygen masks

The Warrior PA-28A is designed with several important safety features to enhance the protection of its occupants during flight. The inclusion of a shoulder harness is particularly significant because it is a crucial component for passenger safety during turbulence and potential impact events, helping to keep passengers securely in their seats. The fire extinguisher is a necessary safety measure to address any potential fire in the cockpit or cabin, while the emergency locator transmitter (ELT) is vital for search and rescue operations, aiding in locating the aircraft after an emergency landing or crash. In contrast, the other options include features that are not standard on the Warrior PA-28A. Automatic seat belts and parachutes are uncommon in general aviation aircraft, as they typically do not incorporate advanced parachute systems within their design. Similarly, the mention of only a fire extinguisher and smoke detector excludes important safety devices like the shoulder harness and ELT, making it an incomplete answer. Lastly, airbags and emergency oxygen masks, while beneficial in some aviation contexts, are not standard safety equipment on the Warrior PA-28A. Therefore, the features listed in the correct answer align accurately with the safety standards of the aircraft.

**8. What is the significance of the red radial on the fuel gauge in the Warrior PA-28A?**

- A. Indicates the tank is full**
- B. Indicates critical fuel levels**
- C. Indicates unserviceable fuel levels**
- D. Indicates fuel filter blockage**

The red radial on the fuel gauge in the Warrior PA-28A serves a critical function by indicating unserviceable fuel levels in the fuel tank. This alert is crucial for the pilot, as it informs them that the fuel level is dangerously low and may result in engine performance issues or an inability to sustain flight. Recognizing this indication is vital for flight safety; it encourages pilots to take necessary precautions to avoid fuel starvation, which could lead to an in-flight emergency. Awareness of the fuel situation is a fundamental aspect of pre-flight planning and in-flight operations, and understanding the significance of indicators like the red radial helps maintain proper safety protocols and enhances overall situational awareness in the cockpit.

**9. What is the inflation requirement for a properly maintained nose gear strut?**

- A. 2.5"**
- B. 3.0"**
- C. 3.25"**
- D. 3.5"**

For a properly maintained nose gear strut of the PA-28A, the correct inflation requirement is 3.25 inches. This measurement refers to the correct extension of the strut when it is properly inflated, ensuring that the strut can adequately absorb shocks during landings and maintain the proper landing gear position. Maintaining the correct strut extension is crucial for ensuring safe aircraft operations and preventing excessive wear or damage to the gear or other structural components. The 3.25 inches provides a balance between optimal performance and safety, ensuring that the nose gear operates effectively during various phases of flight.

**10. What indicates that the Warrior PA-28A has reached an appropriate speed for takeoff?**

- A. The aircraft feels lighter in weight**
- B. The control surfaces provide no resistance**
- C. The airspeed reaches the calculated takeoff speed**
- D. All instruments are showing green**

The correct choice is determined by the fact that reaching the calculated takeoff speed is a critical factor for a successful takeoff in any aircraft, including the Warrior PA-28A. Takeoff speed is specifically calculated to ensure that the aircraft has sufficient lift to become airborne while maintaining control during the initial climb phase. It is based on the aircraft's weight, configuration, and operating conditions, providing a specific reference point for the pilot. When the airspeed reaches this predetermined value, it indicates that the wings are generating enough lift to overcome the weight of the aircraft, allowing it to take off effectively. Monitoring the airspeed is essential during the takeoff roll, as it gives pilots a clear and measurable parameter to assess readiness for departure. Although other options may seem relevant in certain contexts, they do not address the precise requirement for takeoff in the same way. For instance, the feeling of the aircraft being lighter is subjective and may vary from pilot to pilot, while the state of the control surfaces or having all instruments in the green does not directly relate to achieving the necessary airspeed for takeoff.



## Next Steps

**Congratulations on reaching the final section of this guide. You've taken a meaningful step toward passing your certification exam and advancing your career.**

**As you continue preparing, remember that consistent practice, review, and self-reflection are key to success. Make time to revisit difficult topics, simulate exam conditions, and track your progress along the way.**

**If you need help, have suggestions, or want to share feedback, we'd love to hear from you. Reach out to our team at [hello@examzify.com](mailto:hello@examzify.com).**

**Or visit your dedicated course page for more study tools and resources:**

**<https://warriorpa28aendorsement.examzify.com>**

**We wish you the very best on your exam journey. You've got this!**