

## PA28-200R Piper Arrow Checkout Knowledge Test

Answer the following questions as they pertain to the PA-200R Piper Arrow:

1. Please indicate the following speeds:

V-Speeds	Knots	Explanation of this Speed/Configuration
Vx:	_____	_____
Vy:	_____	_____
Vr:	_____	_____
Vso	_____	_____
Vfe	_____	_____
Vle	_____	_____
Va	_____	_____
Vne	_____	_____

2. What is the best glide speed: \_\_\_\_\_ (engine inoperative)

3. What is the proper approach speed: \_\_\_\_\_

4. Flap System:

- a. What type of Flaps are on the PA28-200R? \_\_\_\_\_
- b. How are they operated (Electric/Manual)? \_\_\_\_\_
- c. How many Flap setting/degrees are there? \_\_\_\_\_

5. Propeller System:

- a. What type of propeller is on the PA28-200? \_\_\_\_\_
- b. Is this a fixed pitch or constant speed propeller? \_\_\_\_\_
- c. What is the maximum allowable RPM? \_\_\_\_\_

6. Engine Systems:

- a. What is the rated HP of the engine on the PA28-200? \_\_\_\_\_
- b. How many cylinders does this engine have? \_\_\_\_\_
- c. How is the fuel supplied to the engine (Carburetor/Fuel Injection)? \_\_\_\_\_
- d. What is the procedure for starting the engine? (Normal Start)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- e. What, if any, concerns are there when performing a "hot start?" \_\_\_\_\_
- f. What is the maximum oil fill/operating level? \_\_\_\_\_
- g. What is the minimum oil fill/operating level? \_\_\_\_\_
- h. What is the amperage and voltage of the alternator? \_\_\_\_\_
- i. How many gallons per hour does this engine burn in cruise?  
75% \_\_\_\_\_ 65% \_\_\_\_\_ 55% \_\_\_\_\_

7. Landing Gear Systems:

a. What special endorsement must you have from and instructor to fly the Piper Arrow?  
\_\_\_\_\_.

b. How is the landing gear actuated? \_\_\_\_\_

c. What is the normal extension/retraction time of the landing gear? \_\_\_\_\_

d. Describe, in order, the procedure for **emergency gear extension**?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

e. What may cause it not possible to see the gear down and locked lights?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

f. What other indicators are present to indicate gear position in flight?  
\_\_\_\_\_  
\_\_\_\_\_

g. What warning systems are in effect and when are they actuated if failure to extend the gear prior to landing? \_\_\_\_\_  
\_\_\_\_\_

h. What are the proper pressures for the tires? Nose \_\_\_\_\_ Main \_\_\_\_\_

8. Fuel Systems:

a. What is the maximum and usable fuel for this aircraft? \_\_\_\_\_

b. How many fuel tanks does this aircraft have? \_\_\_\_\_

c. How many fuel drains are there? \_\_\_\_\_ Where are they located?  
\_\_\_\_\_

d. Where is the fuel selector valve? \_\_\_\_\_

e. How often should you switch tanks? \_\_\_\_\_

f. What is the procedure for switching fuel tanks in flight? \_\_\_\_\_  
\_\_\_\_\_

g. How many fuel pumps are there on this aircraft? \_\_\_\_\_

h. When is the fuel pump(s) required? \_\_\_\_\_

9. Weight and Balance:

a. What is the empty weight of this aircraft? \_\_\_\_\_

b. What is the usable weight of this aircraft? \_\_\_\_\_

c. What is the maximum weight of this aircraft? \_\_\_\_\_

d. What is the maximum allowable baggage weight? \_\_\_\_\_

10. Performance Considerations:

a. What is the normal take-off run (distance)? \_\_\_\_\_

b. What is the short field take-off run (distance)? \_\_\_\_\_

c. What is the take-off distance over 50ft obstacle? \_\_\_\_\_

d. What is the normal landing roll (no obstacle)? \_\_\_\_\_

e. What is the landing roll over 50ft obstacle? \_\_\_\_\_

f. What is the service ceiling? \_\_\_\_\_

11. Does this aircraft have a different type of elevator, if so, what is it? \_\_\_\_\_

12. When filing a flight plan, or flight following, based on the equipment in this aircraft, what would be the designator for this aircraft? PA28-200R/ ??? \_\_\_\_\_

13. Where is the auxiliary power inlet located for ground power assistance? \_\_\_\_\_  
\_\_\_\_\_

14. Where is the ELT located? \_\_\_\_\_

Name of Pilot: \_\_\_\_\_ Date: \_\_\_\_\_

Instructor Review: \_\_\_\_\_ Date: \_\_\_\_\_