Blue Sky

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Club News!

Welcome to new members **Jimmy Bratta** and **Mark Kenney**! Jimmy joined us to work on his Commercial Certificate and Mark Kenney his Private! …. Due to an AD on our old **Cessna 152** propeller, I bought **a brand-new Sensenich prop** and spinner! Painting the spinner went so well, it makes me want to paint the whole plane….

New prop and spinner on N49970, our C152

CHICAGO SECTIONALS IN STOCK!!

I plan to keep Chicago sectionals available. With advance notice I can get other VFR and IFR charts as well!

The government chart provider, NACO, set a volume bar so high in February that smaller chart agents, like Blue Sky, were not able to meet it, which severely restricted the availability of paper charts. I am trying to find a way to provide access to charts to members, both print and digital form.

Performance Quiz

1. Performance charts are based on standard atmospheric conditions - a temperature of ____ degrees Celsius and a pressure of ____ inches of mercury (Hg). a) 15; 29.92 b) 52; 29.92 c) 15, 30.00 d) 52; 30.00
2. What effect will an aft center of gravity have on true airspeed? a) increase b) decrease
3. What effect will an aft center of gravity have on stall speed? a) increase b) decrease e) no change
4. Which of the following will decrease the landing roll distance? a) High temperature, b) Low humidity c) Low pressure d) High altitude
5. High air temperature will have all of the following effects on aircraft performance except _____. a) Lower climb rate b) Increased groundspeed on final c) Increased engine power output d) Lower absolute ceiling
6. Maximum endurance can be achieved by leaning the mixture to best _____. a) Power b) Economy
7. _____ altitude is used in the computation of take-off distances in performance charts. a) Density b) Pressure c) True
8. A tailwind will have what effect on published landing ground roll distances in a C172? a) 10% increase for every 2K tailwind b) increase 2% for every 10K tailwind c) will increase by the same percentage as an equal amount of headwind would decrease distance.
9. For the purposes of takeoff and landing data, speeds used in the performance charts, such as Vr and approach speed – are based on what? a) Outside air temperature b) Weight c) Wind speed d) A and B only e) All of the above
10. After completing the takeoff performance chart, you discover that it will take 1,310 feet to clear a 50 foot obstacle. Assuming that this number is correct, you will be _____ feet above the 50 foot obstacle when you are 1,310 feet down the runway. a) 0 b) 10 c) 25 d) 50
11. A(n) _____ -sloping runway will decrease required takeoff distance. a) Upward d) Downward
12. On a hot and humid day, you will need a higher indicated airspeed on final approach to make up for the loss of performance a) true b) false

1.a 2.a 3.b 4.b 5.c 6.b 7.a 8.a 9.b 10.a 11.b 12.b