

## 2013 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Air Transport Pilot Airplane (14 CFR part 121)</b>			<b>8,019</b>	<b>95.05%</b>	<b>86.03</b>
	Aerodynamics	87.08%			
	Aeronautical Decision Making (ADM)	87.40%			
	Air Traffic Control Procedures	88.78%			
	Aircraft Performance	81.23%			
	Crew Resource Management (CRM)	79.33%			
	Human Factors	90.69%			
	Meteorology	84.82%			
	National Weather Service (NWS)	87.65%			
	Navigation	87.14%			
	Regulations	85.67%			
	Weather	82.70%			
	Weight and Balance	86.91%			
	Windshear / Turbulence	86.46%			
<b>Air Transport Pilot Airplane (14 CFR part 135)</b>			<b>516</b>	<b>89.34%</b>	<b>80.61</b>
	Aerodynamics	82.25%			
	Aeronautical Decision Making (ADM)	63.33%			
	Air Traffic Control Procedures	82.12%			
	Aircraft Performance	73.18%			
	Crew Resource Management (CRM)	72.15%			
	Human Factors	83.53%			
	Meteorology	77.56%			
	National Weather Service (NWS)	83.70%			
	Navigation	82.54%			
	Regulations	83.62%			
	Weather	77.13%			
	Weight and Balance	78.43%			
	Windshear / Turbulence	81.58%			
<b>Aircraft Dispatcher</b>			<b>1,286</b>	<b>72.71%</b>	<b>75.57</b>
	Aerodynamics	66.95%			
	Aeronautical Decision Making (ADM)	54.14%			
	Air Traffic Control Procedures	78.96%			
	Aircraft Performance	68.25%			
	Crew Resource Management (CRM)	68.80%			
	Human Factors	74.19%			
	Meteorology	74.85%			
	National Weather Service (NWS)	71.42%			
	Navigation	74.33%			
	Regulations	82.53%			

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Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Aircraft Dispatcher</b>					
	Weather	77.14%			
	Weight and Balance	76.06%			
	Windshear / Turbulence	72.82%			
<b>Airline Transport Pilot Airplane (14 CFR part 135) (Added Rating)</b>			<b>16</b>	<b>68.75%</b>	<b>76.38</b>
	Aerodynamics	71.26%			
	Aeronautical Decision Making (ADM)	16.67%			
	Air Traffic Control Procedures	74.63%			
	Aircraft Performance	56.45%			
	Crew Resource Management (CRM)	75.00%			
	Human Factors	72.41%			
	Meteorology	74.47%			
	National Weather Service (NWS)	100.00%			
	Navigation	83.33%			
	Regulations	80.81%			
	Weather	72.50%			
	Weight and Balance	82.76%			
	Windshear / Turbulence	75.86%			
<b>Airline Transport Pilot Airplane Canadian Conversion</b>			<b>86</b>	<b>96.51%</b>	<b>86.51</b>
	Air Traffic Control Procedures	87.11%			
	Navigation	80.00%			
	Regulations	85.77%			
<b>Airline Transport Pilot Helicopter (14 CFR part 135)</b>			<b>717</b>	<b>97.49%</b>	<b>88.39</b>
	Aerodynamics	92.94%			
	Aeronautical Decision Making (ADM)	88.19%			
	Air Traffic Control Procedures	90.75%			
	Aircraft Performance	87.41%			
	Crew Resource Management (CRM)	84.46%			
	Human Factors	86.71%			
	Meteorology	87.79%			
	National Weather Service (NWS)	86.62%			
	Navigation	85.98%			
	Regulations	90.51%			
	Weather	84.93%			
	Weight and Balance	83.65%			
	Windshear / Turbulence	92.43%			

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Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Airline Transport Pilot Helicopter (14 CFR part 135) (Added Rating)</b>			<b>47</b>	<b>78.72%</b>	<b>79.70</b>
	Aerodynamics	86.13%			
	Aeronautical Decision Making (ADM)	65.91%			
	Air Traffic Control Procedures	82.14%			
	Aircraft Performance	69.80%			
	Crew Resource Management (CRM)	90.00%			
	Human Factors	76.24%			
	Meteorology	80.00%			
	National Weather Service (NWS)	58.33%			
	Navigation	77.67%			
	Regulations	85.14%			
	Weather	70.39%			
	Weight and Balance	75.76%			
	Windshear / Turbulence	80.85%			
<b>Aviation Maintenance Technician Airframe</b>			<b>8,744</b>	<b>86.55%</b>	<b>80.33</b>
	(A)Wood Structures	77.24%			
	(B)Aircraft Covering	80.35%			
	(C)Aircraft Finishes	87.88%			
	(D)Sheet Metal and Non-Metallic Structures	79.12%			
	(E)Welding	84.49%			
	(F)Assembly and Rigging	81.86%			
	(G)Airframe Inspection	76.18%			
	(K)Aircraft Landing Gear Systems	79.39%			
	(L)Hydraulic and Pneumatic Power Systems	78.05%			
	(M)Cabin Atmosphere Control Systems	77.20%			
	(N)Aircraft Instrument Systems	78.98%			
	(O)Communication and Navigation Systems	81.57%			
	(P)Aircraft Fuel Systems	81.92%			
	(Q)Aircraft Electrical Systems	80.86%			
	(R)Position and Warning Systems	81.61%			
	(S)Ice and Rain Control Systems	82.93%			
	(T)Fire Protection Systems	81.57%			
<b>Aviation Maintenance Technician General</b>			<b>9,373</b>	<b>90.52%</b>	<b>82.10</b>
	(A)Basic Electricity	78.61%			
	(B)Aircraft Drawings	85.97%			
	(C)Weight and Balance	81.94%			
	(D)Fluid Lines and Fittings	85.68%			
	(E)Materials and Processes	80.15%			
	(F)Ground Operation and Servicing	88.64%			

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Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Aviation Maintenance Technician General</b>					
	(G)Cleaning and Corrosion Control	83.36%			
	(H)Mathematics	79.98%			
	(I)Maintenance Forms and Records	86.20%			
	(J)Basic Physics	84.17%			
	(K)Maintenance Publications	78.56%			
	(L)Mechanic Privileges and Limitations	88.06%			
	(M)Human Factors	65.42%			
<b>Aviation Maintenance Technician Powerplant</b>			<b>8,878</b>	<b>80.50%</b>	<b>77.59</b>
	(A)Reciprocating Engines	81.87%			
	(B)Turbine Engines	78.79%			
	(C)Engine Inspection	71.90%			
	(H)Engine Instrument Systems	80.35%			
	(I)Engine Fire Protection Systems	73.26%			
	(J)Engine Electrical Systems	79.21%			
	(K)Lubrication Systems	77.41%			
	(L)Ignition and Starting Systems	74.18%			
	(M)Fuel Metering Systems	75.40%			
	(N)Engine Fuel Systems	78.82%			
	(O)Induction and Engine Airflow Systems	76.78%			
	(P)Engine Cooling Systems	79.98%			
	(Q)Engine Exhaust and Reverser Systems	78.75%			
	(R)Propellers	77.25%			
	(T)Auxiliary Power Units	76.08%			
<b>Commercial Pilot Airplane</b>			<b>8,421</b>	<b>96.29%</b>	<b>86.98</b>
	Aerodynamics	83.09%			
	Aircraft Performance	82.75%			
	Aircraft Systems	91.49%			
	Airport Operations	83.25%			
	Airspace	88.46%			
	Flight Operations	91.53%			
	Human Factors	90.60%			
	Navigation	84.00%			
	Regulations	88.13%			
	Weather	88.66%			
	Weight and Balance	88.33%			

## 2013 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Commercial Pilot Airplane Canadian Conversion</b>			<b>78</b>	<b>88.46%</b>	<b>83.35</b>
	Aircraft Performance	50.00%			
	Airport Operations	82.79%			
	Airspace	73.53%			
	Instrument Procedures	58.33%			
	Navigation	60.87%			
	Regulations	85.84%			
	Weather	68.18%			
<b>Commercial Pilot Airship</b>			<b>0</b>	<b>0.00%</b>	<b>0.00</b>
<b>Commercial Pilot Balloon - Gas</b>			<b>0</b>	<b>0.00%</b>	<b>0.00</b>
<b>Commercial Pilot Balloon - Hot Air</b>			<b>67</b>	<b>97.01%</b>	<b>87.76</b>
	Aerodynamics	98.15%			
	Aircraft Systems	96.42%			
	Airport Operations	53.85%			
	Airspace	79.80%			
	Flight Operations	92.82%			
	Fundamentals of Instruction	89.80%			
	Human Factors	66.39%			
	Navigation	84.86%			
	Regulations	87.22%			
	Weather	85.37%			
	Weight and Balance	93.44%			
<b>Commercial Pilot Glider</b>			<b>42</b>	<b>100.00%</b>	<b>91.31</b>
	Aerodynamics	92.43%			
	Aircraft Performance	94.76%			
	Aircraft Systems	91.43%			
	Airport Operations	82.69%			
	Airspace	89.88%			
	Flight Operations	92.12%			
	Human Factors	93.90%			
	Navigation	85.56%			
	Regulations	93.19%			
	Weather	91.41%			
	Weight and Balance	100.00%			

## 2013 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Commercial Pilot Gyroplane</b>			<b>1</b>	<b>100.00%</b>	<b>92.00</b>
	Aerodynamics	85.71%			
	Aircraft Performance	50.00%			
	Aircraft Systems	94.74%			
	Airport Operations	100.00%			
	Airspace	100.00%			
	Flight Operations	100.00%			
	Human Factors	100.00%			
	Navigation	100.00%			
	Regulations	88.89%			
	Weather	85.71%			
	Weight and Balance	100.00%			
<b>Commercial Pilot Helicopter</b>			<b>980</b>	<b>96.84%</b>	<b>88.02</b>
	Aerodynamics	86.59%			
	Aircraft Performance	92.86%			
	Aircraft Systems	92.97%			
	Airport Operations	85.96%			
	Airspace	84.49%			
	Flight Operations	93.46%			
	Human Factors	95.54%			
	Instrument Procedures	77.35%			
	Navigation	85.04%			
	Regulations	86.98%			
	Weather	85.75%			
	Weight and Balance	86.91%			
<b>Flight Engineer Reciprocating Engine (Added Rating)</b>			<b>1</b>	<b>100.00%</b>	<b>80.00</b>
	Aircraft Performance	75.00%			
	Aircraft Systems	82.05%			
	Airport Operations	0.00%			
	Publications	100.00%			
	Regulations	100.00%			
	Weather	50.00%			
	Weight and Balance	100.00%			
<b>Flight Engineer Reciprocating Engine (Basic)</b>			<b>8</b>	<b>100.00%</b>	<b>87.25</b>
	Aerodynamics	93.75%			
	Aircraft Performance	71.43%			
	Aircraft Systems	85.66%			
	Airport Operations	89.29%			

## 2013 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Flight Engineer Reciprocating Engine (Basic)</b>					
	Flight Operations	83.33%			
	Human Factors	100.00%			
	Publications	100.00%			
	Regulations	90.97%			
	Weather	100.00%			
	Weight and Balance	88.46%			
<b>Flight Engineer Turbojet (Added Rating)</b>			<b>0</b>	<b>0.00%</b>	<b>0.00</b>
<b>Flight Engineer Turbojet (Basic)</b>			<b>48</b>	<b>100.00%</b>	<b>94.50</b>
	Aerodynamics	93.15%			
	Aircraft Performance	96.50%			
	Aircraft Systems	91.57%			
	Airport Operations	97.62%			
	Flight Operations	98.63%			
	Human Factors	100.00%			
	Instrument Procedures	100.00%			
	Publications	100.00%			
	Regulations	97.12%			
	Weather	95.98%			
	Weight and Balance	92.09%			
<b>Flight Engineer Turboprop (Added Rating)</b>			<b>2</b>	<b>100.00%</b>	<b>80.00</b>
	Aerodynamics	40.00%			
	Aircraft Performance	93.33%			
	Aircraft Systems	81.97%			
	Airport Operations	100.00%			
	Flight Operations	100.00%			
	Instrument Procedures	100.00%			
	Publications	0.00%			
	Regulations	100.00%			
	Weather	71.43%			
	Weight and Balance	75.00%			
<b>Flight Engineer Turboprop (Basic)</b>			<b>10</b>	<b>100.00%</b>	<b>86.10</b>
	Aerodynamics	94.74%			
	Aircraft Performance	77.27%			
	Aircraft Systems	85.81%			
	Airport Operations	95.00%			
	Flight Operations	100.00%			

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Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Flight Engineer Turboprop (Basic)</b>					
	Human Factors	100.00%			
	Instrument Procedures	100.00%			
	Publications	100.00%			
	Regulations	93.09%			
	Weather	67.44%			
	Weight and Balance	71.88%			
<b>Flight Instructor Airplane</b>			<b>3,474</b>	<b>89.69%</b>	<b>83.40</b>
	Aerodynamics	85.93%			
	Aircraft Performance	82.49%			
	Aircraft Systems	86.68%			
	Airport Operations	86.02%			
	Airspace	89.11%			
	Flight Operations	84.57%			
	Human Factors	90.47%			
	Instructional Guidelines	68.95%			
	Navigation	78.77%			
	Publications	98.42%			
	Regulations	82.18%			
	Weather	84.67%			
	Weight and Balance	83.72%			
<b>Flight Instructor Airplane (Added Rating)</b>			<b>60</b>	<b>91.67%</b>	<b>84.47</b>
	Aerodynamics	86.63%			
	Aircraft Performance	72.92%			
	Aircraft Systems	83.60%			
	Airport Operations	81.29%			
	Flight Operations	85.87%			
	Regulations	86.29%			
	Weight and Balance	78.95%			
<b>Flight Instructor Glider</b>			<b>28</b>	<b>100.00%</b>	<b>90.11</b>
	Aerodynamics	92.41%			
	Aircraft Performance	95.77%			
	Aircraft Systems	95.33%			
	Airport Operations	86.67%			
	Airspace	94.02%			
	Flight Operations	88.56%			
	Human Factors	94.62%			
	Instructional Guidelines	20.00%			

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Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Flight Instructor Glider</b>					
	Navigation	83.67%			
	Regulations	89.01%			
	Weather	90.36%			
	Weight and Balance	97.22%			
<b>Flight Instructor Glider (Added Rating)</b>					
			<b>44</b>	<b>84.09%</b>	<b>85.18</b>
	Aerodynamics	88.99%			
	Aircraft Performance	84.21%			
	Aircraft Systems	87.50%			
	Airport Operations	69.33%			
	Flight Operations	82.44%			
	Regulations	84.88%			
	Weather	89.77%			
	Weight and Balance	92.31%			
<b>Flight Instructor Gyroplane</b>					
			<b>2</b>	<b>100.00%</b>	<b>89.50</b>
	Aerodynamics	85.71%			
	Aircraft Performance	100.00%			
	Aircraft Systems	87.50%			
	Airport Operations	91.67%			
	Airspace	83.33%			
	Flight Operations	85.00%			
	Human Factors	87.50%			
	Navigation	80.77%			
	Regulations	100.00%			
	Weather	92.50%			
	Weight and Balance	50.00%			
<b>Flight Instructor Gyroplane (Added Rating)</b>					
			<b>1</b>	<b>100.00%</b>	<b>88.00</b>
	Aerodynamics	100.00%			
	Aircraft Performance	100.00%			
	Aircraft Systems	50.00%			
	Airport Operations	0.00%			
	Airspace	100.00%			
	Flight Operations	100.00%			
	Regulations	80.00%			
	Weight and Balance	100.00%			

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Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Flight Instructor Helicopter</b>			<b>598</b>	<b>96.15%</b>	<b>85.48</b>
	Aerodynamics	90.90%			
	Aircraft Performance	85.08%			
	Aircraft Systems	87.24%			
	Airport Operations	86.72%			
	Airspace	89.76%			
	Flight Operations	88.83%			
	Human Factors	89.62%			
	Instructional Guidelines	25.93%			
	Navigation	77.23%			
	Publications	98.51%			
	Regulations	84.92%			
	Weather	84.76%			
	Weight and Balance	78.86%			
<b>Flight Instructor Helicopter (Added Rating)</b>			<b>56</b>	<b>92.86%</b>	<b>88.50</b>
	Aerodynamics	90.14%			
	Aircraft Performance	85.71%			
	Aircraft Systems	90.08%			
	Airport Operations	87.50%			
	Flight Operations	87.36%			
	Regulations	87.16%			
	Weight and Balance	93.94%			
<b>Flight Instructor Instrument Airplane</b>			<b>2,719</b>	<b>96.76%</b>	<b>88.23</b>
	Aerodynamics	93.78%			
	Air Traffic Control Procedures	88.11%			
	Aircraft Systems	89.53%			
	Airport Operations	88.31%			
	Airspace	93.80%			
	Flight Operations	93.25%			
	Human Factors	88.77%			
	Instrument Procedures	86.18%			
	Navigation	84.91%			
	Publications	90.17%			
	Regulations	90.80%			
	Weather	88.79%			

## 2013 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Flight Instructor Instrument Airplane (Added Rating)</b>			<b>68</b>	<b>97.06%</b>	<b>84.41</b>
	Aerodynamics	92.68%			
	Aircraft Systems	87.72%			
	Airport Operations	97.06%			
	Airspace	100.00%			
	Flight Operations	87.04%			
	Human Factors	90.44%			
	Instrument Procedures	78.74%			
	Navigation	74.51%			
	Publications	87.76%			
	Regulations	86.75%			
	Weather	77.59%			
<b>Flight Instructor Instrument Helicopter</b>			<b>521</b>	<b>96.35%</b>	<b>85.49</b>
	Aerodynamics	87.31%			
	Aircraft Systems	83.15%			
	Airport Operations	90.40%			
	Airspace	88.72%			
	Flight Operations	88.23%			
	Human Factors	86.85%			
	Instrument Procedures	83.89%			
	Navigation	84.38%			
	Publications	92.25%			
	Regulations	85.61%			
	Weather	84.16%			
<b>Flight Instructor Instrument Helicopter (Added Rating)</b>			<b>45</b>	<b>95.56%</b>	<b>86.78</b>
	Aerodynamics	92.00%			
	Aircraft Systems	100.00%			
	Airport Operations	93.33%			
	Airspace	71.43%			
	Flight Operations	87.50%			
	Human Factors	97.78%			
	Instrument Procedures	81.47%			
	Navigation	71.43%			
	Publications	96.00%			
	Regulations	87.10%			
	Weather	90.77%			

## 2013 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Flight Instructor Sport Airplane</b>			<b>33</b>	<b>93.94%</b>	<b>85.45</b>
	Aerodynamics	84.96%			
	Aircraft Performance	84.85%			
	Aircraft Systems	82.86%			
	Airport Operations	89.44%			
	Airspace	87.38%			
	Flight Operations	86.01%			
	Human Factors	91.35%			
	Navigation	81.53%			
	Publications	100.00%			
	Regulations	81.44%			
	Weather	85.71%			
	Weight and Balance	86.51%			
<b>Flight Instructor Sport Glider</b>			<b>0</b>	<b>0.00%</b>	<b>0.00</b>
<b>Flight Instructor Sport Gyroplane</b>			<b>0</b>	<b>0.00%</b>	<b>0.00</b>
<b>Flight Instructor Sport Powered Parachute</b>			<b>7</b>	<b>100.00%</b>	<b>87.14</b>
	Aerodynamics	76.92%			
	Aircraft Performance	75.00%			
	Aircraft Systems	93.18%			
	Airport Operations	92.06%			
	Airspace	91.23%			
	Flight Operations	84.31%			
	Human Factors	96.43%			
	Navigation	83.93%			
	Regulations	90.00%			
	Weather	82.76%			
	Weight and Balance	90.00%			
<b>Flight Instructor Sport Weight-Shift-Control</b>			<b>6</b>	<b>83.33%</b>	<b>81.17</b>
	Aerodynamics	88.46%			
	Aircraft Performance	75.00%			
	Aircraft Systems	88.37%			
	Airport Operations	77.59%			
	Airspace	90.70%			
	Flight Operations	75.00%			
	Human Factors	95.83%			
	Navigation	64.58%			
	Publications	100.00%			

## 2013 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Flight Instructor Sport Weight-Shift-Control</b>					
	Regulations	82.69%			
	Weather	82.98%			
	Weight and Balance	77.78%			
<b>Flight Navigator</b>					
	Aircraft Performance	75.00%	2	100.00%	85.00
	Meteorology	100.00%			
	Navigation	82.79%			
	Regulations	100.00%			
	Weather	87.50%			
<b>Fundamentals of Instructing</b>					
	Fundamentals of Instructing	84.18%	4,570	91.88%	84.75
	Instructional Guidelines	84.95%			
<b>Ground Instructor (Advanced)</b>					
	Aerodynamics	86.74%	953	97.06%	87.51
	Aircraft Performance	81.64%			
	Aircraft Systems	88.42%			
	Airport Operations	88.31%			
	Airspace	92.48%			
	Flight Operations	86.55%			
	Human Factors	93.17%			
	Navigation	83.12%			
	Publications	97.73%			
	Regulations	87.47%			
	Weather	89.47%			
	Weight and Balance	82.96%			
<b>Ground Instructor (Basic)</b>					
	Aerodynamics	72.99%	50	80.00%	77.20
	Aircraft Performance	70.85%			
	Aircraft Systems	76.95%			
	Airport Operations	79.17%			
	Airspace	82.71%			
	Flight Operations	76.70%			
	Human Factors	83.53%			
	Navigation	75.09%			
	Regulations	76.11%			
	Weather	79.30%			

## 2013 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Ground Instructor (Basic)</b>	Weight and Balance	80.70%			
<b>Ground Instructor Instrument</b>			<b>789</b>	<b>97.21%</b>	<b>87.64</b>
	Air Traffic Control Procedures	85.23%			
	Aircraft Systems	91.85%			
	Airport Operations	87.58%			
	Airspace	93.07%			
	Flight Operations	92.19%			
	Human Factors	87.77%			
	Instrument Procedures	84.39%			
	Navigation	87.93%			
	Publications	87.75%			
	Regulations	86.13%			
	Weather	88.99%			
<b>Inspection Authorization</b>			<b>964</b>	<b>85.48%</b>	<b>82.19</b>
	Fabrication	74.41%			
	Maintenance	74.61%			
	Math	93.11%			
	Publications	82.29%			
	Regulations	86.44%			
	Weight and Balance	77.79%			
<b>Instrument Rating Airplane</b>			<b>12,861</b>	<b>85.13%</b>	<b>80.05</b>
	Aerodynamics	72.95%			
	Air Traffic Control Procedures	82.90%			
	Aircraft Systems	81.92%			
	Airport Operations	83.43%			
	Airspace	86.66%			
	Flight Operations	83.40%			
	Human Factors	82.79%			
	Instrument Procedures	79.23%			
	Navigation	76.35%			
	Publications	82.10%			
	Regulations	83.98%			
	Weather	78.01%			

## 2013 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Instrument Rating Airplane Canadian Conversion</b>			<b>47</b>	<b>93.62%</b>	<b>85.28</b>
	Air Traffic Control Procedures	75.00%			
	Aircraft Systems	65.52%			
	Airport Operations	90.32%			
	Airspace	92.98%			
	Flight Operations	92.78%			
	Human Factors	45.45%			
	Instrument Procedures	83.08%			
	Navigation	84.62%			
	Publications	79.48%			
Regulations	89.14%				
<b>Instrument Rating Foreign Pilot</b>			<b>213</b>	<b>86.38%</b>	<b>81.67</b>
	Aerodynamics	86.79%			
	Air Traffic Control Procedures	80.00%			
	Aircraft Systems	75.31%			
	Airport Operations	82.44%			
	Airspace	88.64%			
	Flight Operations	86.22%			
	Human Factors	76.53%			
	Instrument Procedures	80.83%			
	Navigation	78.91%			
	Publications	81.90%			
Regulations	82.33%				
Weather	84.77%				
<b>Instrument Rating Helicopter</b>			<b>933</b>	<b>91.43%</b>	<b>82.55</b>
	Aerodynamics	86.83%			
	Aircraft Systems	83.32%			
	Airport Operations	82.33%			
	Airspace	89.56%			
	Flight Operations	84.39%			
	Human Factors	88.25%			
	Instrument Procedures	82.17%			
	Navigation	79.18%			
	Publications	86.22%			
Regulations	79.78%				
Weather	82.31%				

## 2013 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Military Competency Airplane</b>			<b>1,379</b>	<b>99.49%</b>	<b>94.61</b>
	Aircraft Performance	97.36%			
	Airport Operations	96.52%			
	Airspace	93.84%			
	Instrument Procedures	93.05%			
	Navigation	98.53%			
	Regulations	94.62%			
<b>Military Competency Helicopter</b>			<b>1,621</b>	<b>99.32%</b>	<b>91.12</b>
	Airport Operations	86.55%			
	Airspace	89.71%			
	Instrument Procedures	94.82%			
	Navigation	97.86%			
	Regulations	91.10%			
<b>Military Competency Instructor</b>			<b>1,450</b>	<b>98.97%</b>	<b>93.08</b>
	Aerodynamics	90.79%			
	Aircraft Systems	100.00%			
	Airport Operations	81.63%			
	Airspace	64.96%			
	Fundamentals of Instructing	94.65%			
	Human Factors	94.81%			
	Instructional Guidelines	92.52%			
	Instrument Procedures	94.90%			
	Navigation	59.49%			
	Regulations	93.00%			
	Weather	94.74%			
	Weight and Balance	90.08%			
<b>Parachute Rigger</b>			<b>199</b>	<b>86.93%</b>	<b>80.33</b>
	Certification	85.44%			
	Packing Parachutes	84.23%			
	Parachute Alteration	70.04%			
	Parachute Construction Details	76.31%			
	Parachute Operation/Care	74.53%			
	Parachute Repair	86.85%			
	Prvlg/Limitns/OperRules	89.42%			

## 2013 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Parachute Rigger Military Competence</b>			<b>65</b>	<b>98.46%</b>	<b>89.72</b>
	Certification	86.89%			
	Packing Parachutes	93.50%			
	Parachute Repair	92.00%			
	Prvlgs/Limitns/OperRules	90.99%			
<b>Private Pilot Airplane</b>			<b>24,902</b>	<b>90.90%</b>	<b>83.83</b>
	Aerodynamics	87.40%			
	Air Traffic Control Procedures	85.78%			
	Aircraft Performance	82.48%			
	Aircraft Systems	85.89%			
	Airport Operations	84.95%			
	Airspace	79.76%			
	Flight Operations	82.47%			
	Human Factors	91.17%			
	Instrument Procedures	87.60%			
	Navigation	78.39%			
	Publications	87.42%			
	Regulations	84.58%			
	Weather	84.64%			
	Weight and Balance	83.21%			
<b>Private Pilot Airplane Canadian Conversion</b>			<b>31</b>	<b>100.00%</b>	<b>87.84</b>
	Air Traffic Control Procedures	90.14%			
	Airport Operations	79.03%			
	Airspace	79.51%			
	Flight Operations	75.35%			
	Instrument Procedures	90.32%			
	Navigation	81.36%			
	Publications	96.77%			
	Regulations	92.85%			
<b>Private Pilot Airplane/Recreational Pilot - Transition</b>			<b>11</b>	<b>90.91%</b>	<b>82.45</b>
	Aerodynamics	70.00%			
	Aircraft Performance	90.91%			
	Aircraft Systems	87.50%			
	Airport Operations	78.95%			
	Airspace	86.05%			
	Flight Operations	90.91%			
	Navigation	83.78%			
	Publications	90.00%			

## 2013 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Private Pilot Airplane/Recreational Pilot - Transition</b>					
	Regulations	78.30%			
<b>Private Pilot Airship</b>					
			<b>1</b>	<b>0.00%</b>	<b>62.00</b>
	Aerodynamics	100.00%			
	Aircraft Performance	33.33%			
	Aircraft Systems	60.00%			
	Airport Operations	100.00%			
	Airspace	50.00%			
	Flight Operations	83.33%			
	Human Factors	50.00%			
	Navigation	36.36%			
	Publications	100.00%			
	Regulations	90.91%			
	Weather	58.33%			
	Weight and Balance	0.00%			
<b>Private Pilot Balloon - Gas</b>					
			<b>0</b>	<b>0.00%</b>	<b>0.00</b>
<b>Private Pilot Balloon - Hot Air</b>					
			<b>109</b>	<b>90.83%</b>	<b>82.28</b>
	Aerodynamics	94.50%			
	Aircraft Performance	77.14%			
	Aircraft Systems	87.65%			
	Airport Operations	83.49%			
	Airspace	72.35%			
	Flight Operations	77.84%			
	Human Factors	79.82%			
	Navigation	83.36%			
	Publications	83.44%			
	Regulations	85.55%			
	Weather	80.95%			
	Weight	62.50%			
	Weight and Balance	72.03%			
<b>Private Pilot Glider</b>					
			<b>225</b>	<b>92.44%</b>	<b>86.54</b>
	Aerodynamics	93.67%			
	Air Traffic Control Procedures	100.00%			
	Aircraft Performance	92.00%			
	Aircraft Systems	88.67%			
	Airport Operations	83.85%			
	Airspace	80.00%			

## 2013 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Private Pilot Glider</b>					
	Flight Operations	90.59%			
	Human Factors	88.00%			
	Navigation	84.84%			
	Publications	74.57%			
	Regulations	86.81%			
	Weather	85.74%			
	Weight and Balance	89.33%			
<b>Private Pilot Gyroplane</b>					
			<b>2</b>	<b>100.00%</b>	<b>92.50</b>
	Aerodynamics	100.00%			
	Aircraft Performance	100.00%			
	Aircraft Systems	85.71%			
	Airport Operations	100.00%			
	Airspace	90.00%			
	Flight Operations	100.00%			
	Human Factors	100.00%			
	Navigation	80.00%			
	Publications	100.00%			
	Regulations	100.00%			
	Weather	91.67%			
	Weight and Balance	75.00%			
<b>Private Pilot Helicopter</b>					
			<b>1,537</b>	<b>95.45%</b>	<b>85.66</b>
	Aerodynamics	91.63%			
	Aircraft Performance	82.91%			
	Aircraft Systems	87.07%			
	Airport Operations	87.14%			
	Airspace	80.21%			
	Flight Operations	84.28%			
	Human Factors	83.60%			
	Navigation	78.12%			
	Publications	92.37%			
	Regulations	89.69%			
	Weather	87.65%			
	Weight and Balance	80.89%			
<b>Private Pilot Helicopter/Recreational Pilot - Transition</b>					
			<b>4</b>	<b>75.00%</b>	<b>73.25</b>
	Air Traffic Control Procedures	100.00%			
	Aircraft Performance	75.00%			
	Aircraft Systems	75.00%			

## 2013 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Private Pilot Helicopter/Recreational Pilot - Transition</b>					
	Airport Operations	80.00%			
	Airspace	70.00%			
	Flight Operations	83.33%			
	Human Factors	100.00%			
	Navigation	65.00%			
	Publications	75.00%			
	Regulations	63.64%			
	Weather	72.22%			
	Weight and Balance	50.00%			
<b>Private Pilot Powered Parachute</b>			<b>3</b>	<b>66.67%</b>	<b>80.33</b>
	Aerodynamics	66.67%			
	Air Traffic Control Procedures	60.00%			
	Aircraft Performance	83.33%			
	Aircraft Systems	83.33%			
	Airport Operations	83.33%			
	Airspace	61.11%			
	Flight Operations	88.89%			
	Human Factors	83.33%			
	Navigation	77.78%			
	Publications	100.00%			
	Regulations	83.87%			
	Weather	83.33%			
	Weight and Balance	83.33%			
<b>Private Pilot Weight-Shift-Control</b>			<b>2</b>	<b>100.00%</b>	<b>89.50</b>
	Aerodynamics	100.00%			
	Air Traffic Control Procedures	100.00%			
	Aircraft Performance	83.33%			
	Aircraft Systems	83.33%			
	Airport Operations	83.33%			
	Airspace	81.82%			
	Flight Operations	87.50%			
	Human Factors	75.00%			
	Navigation	84.21%			
	Publications	100.00%			
	Regulations	100.00%			
	Weather	90.00%			
	Weight and Balance	100.00%			

## 2013 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Recreational Pilot Airplane</b>			<b>64</b>	<b>92.19%</b>	<b>83.03</b>
	Aerodynamics	89.44%			
	Aircraft Performance	78.52%			
	Aircraft Systems	83.94%			
	Airport Operations	86.11%			
	Airspace	77.90%			
	Flight Operations	86.36%			
	Human Factors	85.94%			
	Navigation	81.56%			
	Publications	85.00%			
	Regulations	83.73%			
	Weather	81.91%			
	Weight and Balance	85.06%			
<b>Recreational Pilot Helicopter</b>			<b>2</b>	<b>100.00%</b>	<b>82.00</b>
	Aerodynamics	90.00%			
	Aircraft Performance	100.00%			
	Aircraft Systems	100.00%			
	Airport Operations	100.00%			
	Airspace	100.00%			
	Flight Operations	90.00%			
	Human Factors	100.00%			
	Navigation	93.75%			
	Publications	50.00%			
	Regulations	56.25%			
	Weather	80.00%			
	Weight and Balance	25.00%			
<b>Sport Pilot Airplane</b>			<b>616</b>	<b>95.94%</b>	<b>85.82</b>
	Aerodynamics	75.49%			
	Air Traffic Control Procedures	85.57%			
	Aircraft Performance	91.71%			
	Aircraft Systems	84.69%			
	Airport Operations	87.40%			
	Airspace	83.40%			
	Flight Operations	94.35%			
	Human Factors	85.54%			
	Navigation	81.54%			
	Publications	90.67%			
	Regulations	86.38%			
	Weather	82.89%			

## 2013 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Sport Pilot Airplane</b>	Weight and Balance	78.65%			
<b>Sport Pilot Glider</b>			<b>2</b>	<b>100.00%</b>	<b>79.00</b>
	Aerodynamics	75.00%			
	Air Traffic Control Procedures	75.00%			
	Aircraft Performance	100.00%			
	Aircraft Systems	100.00%			
	Airport Operations	37.50%			
	Airspace	90.00%			
	Flight Operations	91.67%			
	Human Factors	75.00%			
	Navigation	87.50%			
	Publications	50.00%			
	Regulations	80.00%			
	Weather	50.00%			
	Weight and Balance	100.00%			
<b>Sport Pilot Gyroplane</b>			<b>8</b>	<b>100.00%</b>	<b>90.38</b>
	Aerodynamics	87.50%			
	Air Traffic Control Procedures	100.00%			
	Aircraft Performance	100.00%			
	Aircraft Systems	92.31%			
	Airport Operations	100.00%			
	Airspace	85.29%			
	Flight Operations	97.06%			
	Human Factors	86.67%			
	Navigation	83.87%			
	Publications	87.50%			
	Regulations	92.68%			
	Weather	82.05%			
	Weight and Balance	81.25%			
<b>Sport Pilot Lighter-Than-Air (Balloon)</b>			<b>0</b>	<b>0.00%</b>	<b>0.00</b>
<b>Sport Pilot Powered Parachute</b>			<b>53</b>	<b>96.23%</b>	<b>83.94</b>
	Aerodynamics	59.84%			
	Air Traffic Control Procedures	80.18%			
	Aircraft Performance	97.10%			
	Aircraft Systems	86.01%			
	Airport Operations	78.87%			

## 2013 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Sport Pilot Powered Parachute</b>					
	Airspace	85.20%			
	Flight Operations	98.16%			
	Human Factors	85.85%			
	Navigation	84.58%			
	Publications	88.68%			
	Regulations	90.99%			
	Weather	70.57%			
	Weight and Balance	88.68%			
<b>Sport Pilot Weight Shift Control</b>			<b>49</b>	<b>100.00%</b>	<b>89.41</b>
	Aerodynamics	68.37%			
	Air Traffic Control Procedures	94.12%			
	Aircraft Performance	94.12%			
	Aircraft Systems	89.06%			
	Airport Operations	91.64%			
	Airspace	86.30%			
	Flight Operations	97.74%			
	Human Factors	85.71%			
	Navigation	81.22%			
	Publications	94.90%			
	Regulations	93.30%			
	Weather	91.15%			
	Weight and Balance	92.65%			