

Weight & Balance Worksheet Cessna 172



Aircraft Tail Number: _____ Pilot: _____ Date: _____

Weight, Arm and Moment Calculations

	Item	Weight (lb) x	Arm (in) =	Moment (lb-in)
1	BASIC EMPTY WEIGHT		-	
2	Pilot			
3	Passenger			
4	Baggage			
5	ZERO FUEL WEIGHT		-	
6	Fuel (__ gal x 6lb/gal = __)			
7	RAMP WEIGHT		-	
8	Subtract Taxi/Runup/Takeoff			
9	GROSS TAKEOFF WEIGHT		-	
10	Subtract Cruise Fuel (__ gal x 6lb/gal = __)			
11	GROSS LANDING WEIGHT		-	

CG Calculation

Aircraft's CG Range: _____ to _____

TAKEOFF

$$\frac{\text{_____}}{\text{Total Moment}} \div \frac{\text{_____}}{\text{Total Weight}} = \frac{\text{_____}}{\text{CG}}$$

Is this within the aircraft's CG range? (circle) **YES** **NO**

LANDING

$$\frac{\text{_____}}{\text{Total Moment}} \div \frac{\text{_____}}{\text{Total Weight}} = \frac{\text{_____}}{\text{CG}}$$

Is this within the aircraft's CG range? (circle) **YES** **NO**