

Weight and Balance for Piper PA28-140 N43224

Aircraft weighed with fuel drained.

Front seats in fourth notch per maintenance manual.

Tow bar, fire extinguisher & flight manual included

Wheel fairings installed

Weighed aircraft on scales:	Weight	Arm	Moment
Nose wheel	426	34.8	14824.8
Left main	509	109.6	55786.4
Right main	521	109.6	57101.6
Total	1456		127712.8

Empty weight & CG 1456 lbs at 87.7"

Gross weight = 2150 lbs
empty weight = 1456 lbs

New useful load = 694 lbs

Prepared on 04/04/2016 by: Glenn E. Juber, A&P 3438378

Optional weight & balance with rear seats removed

Weighed aircraft on scales:	Weight	Arm	Moment
Nose wheel	421	34.8	14650.8
Left main	496	109.6	54361.6
Right main	509	109.6	55786.4
Total	1426		124798.8

Empty weight & CG 1426 lbs at 87.5"

Gross weight = 2150 lbs
empty weight = 1426 lbs

New useful load = 724 lbs

CHEROKEE CRUISER

3. WEIGHING - AIRPLANE EMPTY WEIGHT

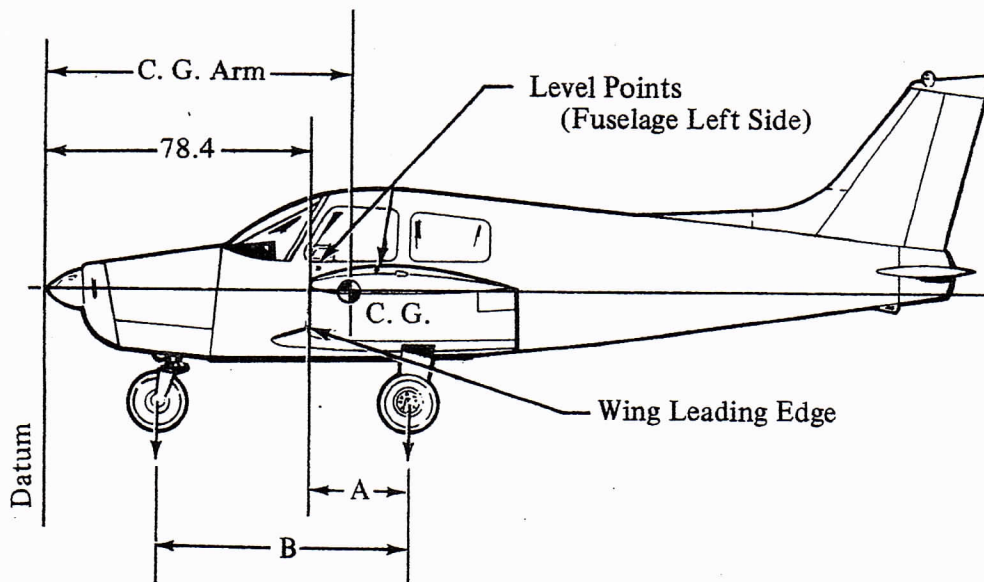
- a. With the airplane level and brakes released, record the weight shown on each scale. Deduct the tare, if any, from each reading.

Scale Position and Symbol	Scale Reading	Tare	Net Weight
Nose Wheel (N)	426	0	426
Right Main Wheel (R)	521	0	521
Left Main Wheel (L)	509	0	509
Airplane Empty Weight, as Weighed (T)	1456	0	1456

4-4-2016 *[Signature]* AP3438378

4. EMPTY WEIGHT CENTER OF GRAVITY

- a. The following geometry applies to the PA-28-140 airplane when airplane is level (See Item 2).



A =

B =

The datum is 78.4 inches ahead of the wing leading edge at the intersection of the straight and tapered section.

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