





WORKSHEET #2 - INDIVIDUAL WHEEL POSITION WEIGHT

Fifth Wheel Trailers and Tow Vehicles


| INSTRUCTIONS | | |
|--|---|------------------------------------|
| CURB SIDE WEIGHTS (in lbs) | Position the Tow Vehicle and Trailer as directed by the Weighing Official. The number of scales available will determine the need to reposition the Vehicles. | STREET SIDE WEIGHTS (in lbs) |
| TOW VEHICLE ONLY WEIGHT | | |
| 1. | Enter Steer Axle GAW. | 2. |
| Calculate Steer Axle GAW: (1+2=3). | | 3. |
| 4. | Enter Drive Axle GAW. | 5. |
| Calculate Drive Axle GAW: (4+5=6). | | 6. |
| Calculate Uncoupled Tow Vehicle GVW: (3+6=7). | | 7. |
| TOW VEHICLE AND FIFTH WHEEL TRAILER | | |
| 8. | Enter Steer Axle GAW. | 9. |
| Calculate Steer Axle GAW: (8+9=10). | | 10. |
| 11. | Enter Drive Axle GAW. | 12. |
| Calculate Drive Axle GAW: (11+12=13). | | 13. |
| Calculate Coupled Tow Vehicle GVW: (10+13=14). | | 14. |
| 15. | Trailer Axle 1 GAW. | 16. |
| Calculate Trailer Axle 1 GAW: (15+16=17). | | 17. |
| 18. | Trailer Axle 2 GAW. | 19. |
| Calculate Trailer Axle 2 GAW: (18+19=20). | | 20. |
| 21. | Trailer Axle 3 GAW. | 22. |
| Calculate Trailer Axle 3 GAW: (21+22=23). | | 23. |
| Calculate Total Trailer GAW: (17+20+23=24). | | 24. |

WHEEL POSITION WEIGHING IS NOW COMPLETE

CALCULATIONS

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|---|---|
| Enter Tow Vehicle GAWR for the Steer Axle as indicated on the Tow Vehicle MWL. | 25. |
| Steer Axle GAW (line 3) and Steer Axle GAW (line 10) MUST each be less than the Steer Axle GAWR (line 25). |  Verify |
| Enter Tow Vehicle GAWR for the Drive Axle as indicated on the Tow Vehicle MWL. | 26. |
| Drive Axle GAW (line 6) and Drive Axle GAW (line 13) MUST each be less than the Drive Axle GAWR (line 26). |  Verify |
| Enter Trailer GAWR for the Trailer Axles as indicated on the Trailer MWL. | 27. |
| Trailer GAW (lines 17, 20 and 23) MUST each be less than the Trailer GAWR (line 27). |  Verify |
| Calculate the GCW for the Tow Vehicle and Trailer. Add Total Trailer GAW (line 24) and Tow Vehicle GVW (line 14): $(14+24=28)$. | 28. |
| Enter the Tow Vehicle GCWR from the Tow Vehicle manufacturer weight label. | 29. |
| The GCW (line 28) MUST be less than the GCWR of the Tow Vehicle (line 29). If not, the Tow Vehicle and Fifth Wheel exceed their gross combined weight rating and this MUST be resolved. |  Verify |

TRALER WEIGHT CALCULATIONS

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|---|--|
| ENTER the Coupled Tow Vehicle GVW (line 14). | 30. |
| ENTER the Uncoupled Tow Vehicle GVW (line 7). | 31. |
| Calculate the Fifth Wheel Pin Weight. Subtract the Tow Vehicle uncoupled GVW (line 31) from the Tow Vehicle Coupled GVW (line 30): $(30-31=32)$ | 32. |
| ENTER the Total Trailer GAW (line 24). | 33. |
| Calculate the GTW by adding the Pin Weight (line 32) to the Total Trailer GAW (line 33): $(32+33=34)$. | 34. |
| Enter the Trailer GVWR from the Trailer MWL. | 35. |
| The Trailer GTW (line 34) MUST be less than the GVWR of the Fifth Wheel (line 35). If not, the Fifth Wheel has exceed its maximum designed weight and this MUST be corrected. |  Verify |