

Available Worksheets

WORKSHEETS FOR WEIGHING RV BY INDIVIDUAL WHEEL POSITION	
For Class A, Class B, Class C, Unattached Tow Vehicles and Pickup Campers	Use Worksheet #1
For Fifth Wheel Trailers and Tow Vehicles	Use Worksheet #2
For Travel Trailers and Tow Vehicles	Use Worksheet #3
WORKSHEETS FOR WEIGHING RV ON SEGMENTED SCALES (LIKE CAT)	
For Class A, Class B, Class C, Unattached Tow Vehicles and Pickup Campers	Use Worksheet #4
For Fifth Wheel Trailers and Tow Vehicles	Use Worksheet #5
For Travel Trailers and Tow Vehicles	Use Worksheet #6
WORKSHEETS FOR WEIGHING RV ON SEGMENTED SCALES (LIKE CAT) WHERE SCALE CAN ACCOMMODATE WEIGHING HALF THE RV	
For Class A, Class B, Class C, Unattached Tow Vehicles and Pickup Campers	Use Worksheet #7
For Fifth Wheel Trailers and Tow Vehicles	Use Worksheet #8
For Travel Trailers and Tow Vehicles	Use Worksheet #9
WORKSHEETS FOR WEIGHING RV ON SINGLE AXLE SCALES	
For Class A, Class B, Class C, Unattached Tow Vehicles and Pickup Campers	Use Worksheet #10
For Fifth Wheel Trailers and Tow Vehicles	Use Worksheet #11
For Travel Trailers and Tow Vehicles	Use Worksheet #12
WORKSHEETS FOR WEIGHING RV ON SINGLE AXLE SCALES WHERE SCALE CAN ACCOMMODATE WEIGHING HALF THE RV	
For Class A, Class B, Class C, Unattached Tow Vehicles and Pickup Campers	Use Worksheet #13
For Fifth Wheel Trailers and Tow Vehicles	Use Worksheet #14
For Travel Trailers and Tow Vehicles	Use Worksheet #15

WORKSHEET #1 - INDIVIDUAL WHEEL POSITION WEIGHT

For Class A, Class B, Class C, Unattached
Tow Vehicles and Pickup Campers

INSTRUCTIONS		
CURB SIDE WEIGHTS (in lbs)	Position the Vehicle as directed by the Weighing Official. The number of scales available will determine the need to reposition the Vehicle.	STREET SIDE WEIGHTS (in lbs)
VEHICLE WEIGHTS BY WHEEL POSITION		
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.
7.	Enter Tag Axle GAW (if equipped).	8.
Calculate Tag Axle GAW (if equipped): (7+8=9).		9.
CALCULATIONS		
Enter Vehicle GAWR for the Steer Axle as indicated on the Vehicle MWL.		10.
Steer Axle GAW (line 3) MUST be less than GAWR (line 10).		Verify
Enter Vehicle GAWR for the Drive Axle as indicated on the Vehicle MWL.		11.
Drive Axle GAW (line 6) MUST be less than GAWR (line 11).		Verify
Enter Vehicle GAWR for the Tag Axle (if equipped) as indicated on the Vehicle MWL.		12.
Tag Axle GAW (line 9) MUST be less than GAWR (line 12).		Verify
Calculate the GVW for the Vehicle. Add Steer Axle GAW (line 3), Drive Axle GAW (line 6) and Tag Axle GAW (line 9): (3+6+9=13).		13.
Enter the Vehicle GVWR from the Vehicle MWL.		14.
The GVW (line 13) MUST be less than the GVWR of the Vehicle (line 14). If not, the Vehicle exceeds its GVWR and this MUST be resolved.		Verify





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

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




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




WORKSHEET #3 - INDIVIDUAL WHEEL POSITION WEIGHT

Travel 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. Weight data will be collected with WDH disconnected and connected.	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 TRAVEL TRAILER WEIGHT DISTRIBUTING HITCH NOT CONNECTED		
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.
14.	Trailer Axle 1 GAW.	15.
Calculate Trailer Axle 1 GAW: (14+15=16).		16.
17.	Trailer Axle 2 GAW.	18.
Calculate Trailer Axle 2 GAW: (17+18=19).		19.
20.	Trailer Axle 3 GAW.	21.
Calculate Trailer Axle 3 GAW: (20+21=22).		22.
Calculate Coupled Tow Vehicle GVW: (10+13= 23).		23.
Calculate Total Trailer GAW: (16+19+22=24).		24.

**TOW VEHICLE AND TRAVEL TRAILER
WEIGHT DISTRIBUTING HITCH CONNECTED**

25.	Enter Steer Axle GAW.	26.
Calculate Steer Axle GAW: (25+26=27).		27.
28.	Enter Drive Axle GAW.	29.
Calculate Drive Axle GAW: (28+29=30).		30.
31.	Trailer Axle 1 GAW.	32.
Calculate Trailer Axle 1 GAW: (31+32=33).		33.
34.	Trailer Axle 2 GAW.	35.
Calculate Trailer Axle 2 GAW: (34+35=36).		36.
37.	Trailer Axle 3 GAW.	38.
Calculate Trailer Axle 3 GAW: (37+38=39).		39.
Calculate Coupled Tow Vehicle GVW: (27+30=40).		40.
Calculate Total Trailer GAW: (33+36+39=41).		41.
CALCULATIONS		
Enter Tow Vehicle GAWR for the Steer Axle as indicated on the Tow Vehicle MWL.		42.
Steer Axle GAW (lines 3, 10 and 27) MUST each be less than Steer Axle GAWR (line 42).		 Verify
Enter Tow Vehicle GAWR for the Drive Axle as indicated on the Tow Vehicle MWL.		43.
Drive Axle GAW (lines 6, 13 and 30) MUST each be less than Drive Axle GAWR (line 43).		 Verify
Enter Trailer GAWR for the Trailer Axles as indicated on the Trailer manufacturer weight label.		44.
Trailer Axle GAW, (line 16, 19, 22, 33, 36 and 39) MUST each be less than Trailer GAWR (line 44).		 Verify
Calculate GCW – METHOD ONE, WITHOUT WDH: Add Tow Vehicle GVW (line 23) and Total Trailer GAW (line 24). This is the total weight of the Tow Vehicle and Trailer: (23+24=45).		45.

Calculate GCW – METHOD TWO, WITH WDH: Add Tow Vehicle GVW (line 40) and Total Trailer GAW (line 41). This is the total weight of the Tow Vehicle and Trailer: $(40+41=46)$.	46.
 Line 45 and Line 46 should be essentially the same. If not, either a calculation is in error or something was changed between weighing.	
Enter Tow Vehicle GCWR from the Tow Vehicle MWL.	47.
The GCW (lines 45 and 46) MUST each be less than the Tow Vehicle GCWR (line 47). If not, the Tow Vehicle and Travel Trailer exceed their designed combined maximum weight rating and this MUST be resolved.	 Verify
TRALER WEIGHT CALCULATIONS	
ENTER the Coupled Tow Vehicle GVW (line 23).	48.
ENTER the Uncoupled Tow Vehicle GVW (line 7).	49.
Calculate TONGUE WEIGHT: Subtract the Uncoupled Tow Vehicle GVW (line 49) from the Coupled Tow Vehicle GVW (line 48): $(48-49=50)$.	50.
ENTER Total Trailer GAW (line 24).	51.
Calculate the GTW by adding the Tongue Weight (line 50) to the Total Trailer GAW (line 51): $(50+51=52)$.	52.
Enter Trailer GVWR from the Trailer MWL.	53.
The Trailer GTW (line 52) MUST be less than the Trailer GVWR (line 53). If not, the Travel Trailer has exceed its maximum designed weight and this MUST be corrected.	 Verify


WORKSHEET #4 - SEGMENTED SCALES
 For Class A, Class B, Class C, Unattached Tow
 Vehicles and Pickup Campers

INSTRUCTIONS	WEIGHT DATA (in lbs)
Position Vehicle so that axles are centered on separate scale segments.	
Enter Steer Axle GAW.	1.
Enter Steer Axle GAWR from Vehicle MWL.	2.
Steer Axle GAW (line 1) MUST be less than the Steer Axle GAWR (line 2).	 Verify
Enter Drive Axle GAW.	3.
Enter Drive Axle GAWR from Vehicle MWL.	4
Drive Axle GAW (line 3) MUST be less than the Drive Axle GAWR (line 4).	 Verify
Enter Tag Axle GAW (if equipped).	5.
Enter Tag Axle GAWR from Vehicle MWL.	6.
Tag Axle GAW (line 5) MUST be less than the Tag Axle GAWR (line 6).	 Verify
Calculate Vehicle GVW: $(1+3+6=7)$	7.
Enter Vehicle GVWR from Vehicle MWL.	8.
The Vehicle GVW (line 7) MUST be less than the Vehicle GVWR (line 8).	 Verify

WORKSHEET #5 - SEGMENTED SCALES

Fifth Wheel Trailers and Tow Vehicles

INSTRUCTIONS	
Position Tow Vehicle and Fifth Wheel Trailer so that axles are centered on separate scale segments. All weights recorded in pounds (lbs).	
TOW VEHICLE ONLY WEIGHT	
Enter Steer Axle GAW.	1.
Enter Drive Axle GAW.	2.
Calculate Uncoupled Tow Vehicle GVW: $(1+2=3)$.	3.
TOW VEHICLE AND FIFTH WHEEL TRAILER COUPLED	
Enter Steer Axle GAW.	4.
Enter Drive Axle GAW.	5.
Enter Fifth Wheel Trailer GAW.	6.
Calculate Coupled Tow Vehicle GVW: $(4+5=7)$.	7.
CALCULATIONS	
Calculate the Fifth Wheel Pin Weight. Subtract the Tow Vehicle Uncoupled GVW (line 3) from the Tow Vehicle Coupled GVW (line 7): $(7 - 3 = 8)$	8.
Enter Tow Vehicle Steer Axle GAWR as indicated on the Tow Vehicle MWL.	9.
Tow Vehicle Steer Axle Uncoupled GAW (line 1) and Steer Axle Coupled GAW (line 4) MUST each be less than Steer Axle GAWR (line 9).	Verify
Enter Tow Vehicle Drive Axle GAWR as indicated on the Tow Vehicle MWL.	10.
Tow Vehicle Drive Axle Uncoupled GAW (line 2) and Drive Axle Coupled GAW (line 5) MUST each be less than Drive Axle GAWR (line 10).	Verify
Enter Trailer GVWR as indicated on the Trailer MWL.	11.
Calculate Fifth Wheel GTW by adding the Pin Weight (line 8) and the Fifth Wheel GAW (line 6): $(8+6=12)$	12.
Fifth Wheel GTW (line 12) MUST be less than the Fifth Wheel GVWR (line 11).	Verify

Enter Tow Vehicle GCWR from the Tow Vehicle MWL.	13.
Calculate the GCW for the Tow Vehicle and Trailer. Add Total Trailer GAW (line 6) and Tow Vehicle GVW (line 7): (6+7=14).	14.
GCW (line 14) MUST be less than the Tow Vehicle GCWR (line 13). If not, the Tow Vehicle and Fifth Wheel exceed their designed combined maximum weight rating and this MUST be resolved.	 Verify

WORKSHEET #6 - SEGMENTED SCALES

Travel Trailers and Tow Vehicles

INSTRUCTIONS

Position Tow Vehicle and Travel Trailer so that axles are centered on separate scale segments. Weight data will be collected with WDH disconnected and connected. All weights recorded in pounds (lbs).

TOW VEHICLE ONLY WEIGHT

Enter Steer Axle GAW.	1.
Enter Drive Axle GAW.	2.
Calculate Uncoupled Tow Vehicle GVW: $(1+2=3)$.	3.



TOW VEHICLE AND TRAVEL TRAILER WEIGHT DISTRIBUTING HITCH NOT CONNECTED





Enter Steer Axle GAW.	4.
Enter Drive Axle GAW.	5.
Enter Travel Trailer GAW.	6.
Calculate Coupled Tow Vehicle GVW: $(4+5=7)$.	7.

TOW VEHICLE AND TRAVEL TRAILER WEIGHT DISTRIBUTING HITCH CONNECTED

Enter Steer Axle GAW.	8.
Enter Drive Axle GAW.	9.
Enter Travel Trailer GAW:	10.
Calculate Coupled Tow Vehicle GVW: $(8+9=11)$.	11.

CALCULATIONS

Enter Tow Vehicle Steer Axle GAWR as indicated on the Tow Vehicle MWL.	12.
Tow Vehicle Steer Axle GAW (lines 1, 4 and 8) MUST each be less than Steer Axle GAWR (line 12).	 Verify
Enter Tow Vehicle Drive Axle GAWR as indicated on the Tow Vehicle MWL.	13.
Tow Vehicle Drive Axle GAW (lines 2, 5 and 9) MUST each be less than Drive Axle GAWR line 13.	 Verify

Enter Travel Trailer GAWR as indicated on the manufacturer weight label.	14.
Trailer GAW (lines 6 and 10) MUST each be less than Trailer GAWR (line 14).	 Verify
Enter Trailer GVWR as indicated on the Trailer MWL.	15.
Calculate the Travel Trailer Tongue Weight. Subtract the Tow Vehicle Uncoupled GVW (line 3) from the Tow Vehicle Coupled GVW (line 7): $(7-3=16)$	16.
Calculate the Travel Trailer GTW by adding the Tongue Weight (line 16) and the Travel Trailer GAW (line 6): $(16+6=17)$.	17.
Travel Trailer GTW (line 17), MUST be less that the Travel Trailer GVWR (line 15).	 Verify
Calculate the GCW- METHOD ONE, WITHOUT WDH: Add Total Trailer GAW (line 6) and Tow Vehicle GVW (line 7): $(6+7=18)$.	18.
Calculate the GCW- METHOD TWO, WITH WDH: Add Total Trailer GAW (line 10) and Tow Vehicle GVW (line 11): $(10+11=19)$.	19.
 Line 18 and Line 19 should be essentially the same. If not, either a calculation is in err or something was changed between weighing.	
Enter the Tow Vehicle GCWR from the Tow Vehicle MWL.	20.
GCW (line 18 and 19) MUST each be less than the GCWR of the Tow Vehicle (line 20). If not, the Tow Vehicle and Travel Trailer exceed their designed combined maximum weight rating and this MUST be resolved.	 Verify

WORKSHEET #7 - WIDE SEGMENTED SCALE WEIGHT





For Class A, Class B, Class C, Unattached Tow
Vehicles and Pickup Campers

INSTRUCTIONS		
Position Vehicle so that axles are centered on separate scale segments. This worksheet is used for scales that have sufficient room to allow you to reposition the vehicle so that only half the Vehicle is on the scale. This will allow calculation of Vehicle weight by corner. All weights are recorded in pounds (lbs).		
VEHICLE ONLY WEIGHT – COMPLETELY ON SCALE		
Enter Steer Axle GAW.		1.
Enter Drive Axle GAW.		2.
Enter Tag Axle GAW (if equipped).		3.
Calculate Tow Vehicle GVW: $(1+2+3=4)$.		4.
VEHICLE ONLY – HALF VEHICLE ON SCALE		
LEFT	Enter appropriate side of Steer Axle on the scale. Subtract that value from line 1 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Drive Axle on the scale. Subtract that value from line 2 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Tag Axle on the scale. Subtract that value from line 3 and enter the opposite side axle weight.	RIGHT
CALCULATIONS		
Enter the Vehicle Steer Axle GAWR as listed on the Vehicle MWL.		5.
Steer Axle GAW (line 1) MUST be less than GAWR (line 5).	Verify	
Enter the Vehicle Drive Axle GAWR as listed on the Vehicle MWL.		6.
Drive Axle GAW (line 2) MUST be less than GAWR (line 6).	Verify	
Enter the Vehicle Tag Axle GAWR as listed on the Vehicle MWL.		7.
Tag Axle GAW (line 3) MUST be less than GAWR (line 7).	Verify	
Enter Vehicle GVW (line 4).		8.
Enter the Vehicle GVWR from the Vehicle MWL.		9.
The GVW (line 8) MUST be less than the GVWR (line 9). If not, the Vehicle exceeds its GVWR and this MUST be resolved.	Verify	

WORKSHEET #8 - WIDE SEGMENTED SCALE WEIGHT

Fifth Wheel Vehicles and Tow Vehicles

INSTRUCTIONS		
Position Tow Vehicle and Fifth Wheel Trailer so that axles are centered on separate scale segments. This worksheet is used for scales that have sufficient room to allow you to reposition the Tow Vehicle and Trailer so that only half of each Vehicle is on the scale. This will allow calculation of Vehicle weight by corner. All weights are recorded in pounds (lbs).		
TOW VEHICLE ONLY WEIGHT – COMPLETELY ON SCALE		
Enter Steer Axle GAW.		1.
Enter Drive Axle GAW.		2.
Calculate Tow Vehicle GVW: (1+2=3).		3.
TOW VEHICLE ONLY – HALF VEHICLE ON SCALE		
LEFT	Enter appropriate side of Steer Axle on the scale. Subtract that value from line 1 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Steer Axle on the scale. Subtract that value from line 2 and enter the opposite side axle weight.	RIGHT
COUPLED TOW VEHICLE - FIFTH WHEEL TRAILER ATTACHED COMPLETELY ON SCALE		
Enter Steer Axle GAW.		4.
Enter Drive Axle GAW.		5.
Enter Fifth Wheel Trailer GAW:		6.
Calculate Coupled Tow Vehicle GVW: (4+5=7).		7.
Calculate Fifth Wheel Pin Weight. Subtract Tow Vehicle GVW (line 3) from Coupled Tow Vehicle GVW (line 7): (7-3=8)		8.
COUPLED TOW VEHICLE - FIFTH WHEEL TRAILER ATTACHED HALF ON SCALE		
LEFT	Enter appropriate side of Steer Axle on the scale. Subtract that value from line 4 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Drive Axle on the scale. Subtract that value from line 5 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Trailer Axle on the scale. Subtract that value from line 6 and enter the opposite side axle weight.	RIGHT
CALCULATIONS		
Enter Tow Vehicle Steer Axle GAWR as indicated on the Tow Vehicle MWL.		9.
Tow Vehicle Steer Axle GAW (line 1) and Coupled Tow Vehicle GAW (line 4) MUST each be less than Tow Vehicle Steer Axle GAWR (line 9).	Verify	
Enter Tow Vehicle Drive Axle GAWR as indicated on the Tow Vehicle MWL.		10.

Tow Vehicle Drive Axle GAW (line 2) and Coupled Tow Vehicle GAW (line 5) MUST each be less than Tow Vehicle Drive Axle GAWR (line 10).	 Verify
Enter Fifth Wheel GAWR as indicated on the Trailer MWL.	11.
Fifth Wheel GAW (line 6) MUST be less than Trailer Axles GAWR (line 11).	 Verify
Enter Fifth Wheel Trailer GVWR as indicated on the Trailer MWL.	12.
Calculate Fifth Wheel GTW by adding the Fifth Wheel Pin Weight (line 8) and the Fifth Wheel Trailer GAW (line 6): $(6+8=13)$.	13.
Fifth Wheel Trailer GTW (line 13) MUST be less than the Fifth Wheel Trailer GVWR (line 12).	 Verify
Enter Tow Vehicle GCWR from the MWL.	13.
Calculate GCW by adding Tow Vehicle GVW (line 3) to the Trailer GTW (line 13): $(3+13=14)$.	14.
GCW (line 14) MUST be less than the Tow Vehicle GCWR (line 13). If not, the Tow Vehicle and Fifth Wheel exceed their designed combined maximum weight rating and this MUST be resolved.	 Verify

WORKSHEET #9 - WIDE SEGMENTED SCALES

Travel Trailers and Tow Vehicles

INSTRUCTIONS		
Position Tow Vehicle and Travel Trailer so that axles are centered on separate scale segments. This worksheet is used for scales that have sufficient room to allow you to reposition the Tow Vehicle and Trailer so that only half of each Vehicle is on the scale. This will allow calculation of Vehicle weight by corner. Weight data will be collected with WDH disconnected and connected. All weights recorded in pounds (lbs).		
TOW VEHICLE ONLY WEIGHT – COMPLETELY ON SCALE		
Enter Steer Axle GAW.		1.
Enter Drive Axle GAW.		2.
Calculate Uncoupled Tow Vehicle GVW: $(1+2=3)$.		3.
TOW VEHICLE ONLY WEIGHT – HALF VEHICLE ON SCALE		
LEFT	Enter appropriate side of Steer Axle on the scale. Subtract that value from line 1 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Drive Axle on the scale. Subtract that value from line 2 and enter the opposite side axle weight.	RIGHT
COUPLED TOW VEHICLE - TRAVEL TRAILER ATTACHED WEIGHT DISTRIBUTING HITCH NOT CONNECTED COMPLETELY ON SCALE		
Enter Steer Axle GAW.		4.
Enter Drive Axle GAW.		5.
Enter Travel Trailer GAW:		6.
Calculate Coupled Tow Vehicle GVW: $(4+5=7)$		7.
COUPLED TOW VEHICLE - TRAVEL TRAILER ATTACHED WEIGHT DISTRIBUTING HITCH NOT CONNECTED HALF ON SCALE		
LEFT	Enter appropriate side of Steer Axle on the scale. Subtract that value from line 4 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Drive Axle on the scale. Subtract that value from line 5 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Trailer Axle on the scale. Subtract that value from line 6 and enter the opposite side axle weight.	RIGHT





**COUPLED TOW VEHICLE - TRAVEL TRAILER ATTACHED
WEIGHT DISTRIBUTING HITCH CONNECTED
COMPLETELY ON SCALE**

Enter Steer Axle GAW.	8.
Enter Drive Axle GAW.	9.
Enter Travel Trailer GAW:	10.
Calculate Coupled Tow Vehicle GVW: (8+9=11)	11.





**COUPLED TOW VEHICLE - TRAVEL TRAILER ATTACHED
WEIGHT DISTRIBUTING HITCH CONNECTED
HALF ON SCALE**

LEFT	Enter appropriate side of Steer Axle on the scale. Subtract that value from line 8 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Drive Axle on the scale. Subtract that value from line 9 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Trailer Axle on the scale. Subtract that value from line 10 and enter the opposite side axle weight.	RIGHT




CALCULATIONS



Enter Tow Vehicle Steer Axle GAWR as indicated on the Tow Vehicle MWL.	12.
Tow Vehicle Steer Axle GAW (line 1), (line 4) and (line 8) MUST each be less than Steer Axle GAWR (line 12).	 Verify
Enter Tow Vehicle Drive Axle GAWR as indicated on the Tow Vehicle MWL.	13.
Tow Vehicle Drive Axle GAW (line 2), (line 5) and (line 9) MUST each be less than Drive Axle GAWR (line 13).	 Verify
Enter Trailer GVWR as indicated on the Trailer MWL.	14.
Calculate Trailer Tongue Weight. Subtract the GVW of Uncoupled Tow Vehicle (line 3) from the Coupled Tow Vehicle GVW (line 7): (7-3=15).	15.
Calculate Trailer GTW. Add Trailer Tongue Weight (line 15) and the Travel Trailer GAW (line 6). (15+6=16)	16.
Travel Trailer GTW (line 16) MUST be less than the Travel Trailer GVWR (line 14).	 Verify
Enter the Tow Vehicle GCWR from the Tow Vehicle MWL.	17.
Calculate GCW. Add Tow Vehicle GVW (line 7) and the Travel Trailer GAW (line 6). (6+7=18).	18.
The GCW (line 18) MUST be less than the GCWR of the Tow Vehicle (line 17). If not, the Tow Vehicle and Travel Trailer exceed their designed combined maximum weight rating and this MUST be resolved.	 Verify

WORKSHEET #10 - SINGLE AXLE SCALE
 For Class A, Class B, Class C, Unattached Tow
 Vehicles and Pickup Campers

INSTRUCTIONS	WEIGHT DATA (in lbs)
Position the Vehicle on the scale platform, one axle set at a time, so that each axle is centered on the platform as best possible. Once a weight is established, move to the next axle. All recorded weights are in pounds (lbs).	
Enter Steer Axle GAW.	1.
Enter Vehicle Front Axle GAWR as listed on the Vehicle MWL.	2.
The Steer Axle GAW (line 1) MUST be less than the Front Axle GAWR (line 2).	 Verify
Enter Drive Axle GAW.	3.
Enter Vehicle Drive Axle GAWR as listed on the vehicle MWL.	4.
The Drive Axle GAW (line 3) MUST be less than the Drive Axle GAWR (line 4).	 Verify
Enter Vehicle Tag Axle GAW (if equipped).	5.
Enter Vehicle Tag Axle GAWR as listed on the Vehicle MWL.	6.
The Tag Axle GAW (line 5) MUST be less than the Tag Axle GAWR (line 6).	 Verify
Calculate Vehicle GVW: Add Steer Axle GAW (line 1), Drive Axle GAW (line 3) and Tag Axle GAW (line 6): $(1+3+5=7)$.	7.
Enter Vehicle GVWR as listed on the Vehicle MWL.	8.
The GVW (line 7) MUST be less than the GVWR (line 8).	 Verify

WORKSHEET #11 - SINGLE AXLE SCALE
Fifth Wheel Trailers and Tow Vehicles

INSTRUCTIONS	
Position the Tow Vehicle and Fifth Wheel on the scale platform, one axle set at a time, so that each axle is centered on the platform as best possible. Once a weight is established, move to the next axle. All recorded weights are in pounds (lbs).	
TOW VEHICLE ONLY WEIGHT	
Enter Steer Axle GAW.	1.
Enter Drive Axle GAW.	2.
Calculate Tow Vehicle GVW: $(1+2=3)$.	3.
COUPLED TOW VEHICLE - FIFTH WHEEL TRAILER ATTACHED	
Enter Steer Axle GAW.	4.
Enter Drive Axle GAW.	5.
Calculate Coupled Tow Vehicle GVW: $(4+5=6)$.	6.
Calculate Fifth Wheel Pin Weight by subtracting Tow Vehicle GVW (line 3) from Coupled Tow Vehicle GVW (line 6): $(6-3=7)$.	7.
Enter Fifth Wheel Axle One GAW.	8.
Enter Fifth Wheel Axle Two GAW.	9.
Enter Fifth Wheel Axle Three GAW.	10.
Calculate Trailer Total GAW: Add Trailer Axle One (line 8), Trailer Axle Two (line 9) and Trailer Axle Three (line 10): $(8+9+10 = 11)$.	11.
CALCULATIONS	
Enter Tow Vehicle Steer Axle GAWR as indicated on the Tow Vehicle MWL.	12.
Tow Vehicle Steer Axle GAW (line 1) and Coupled Tow Vehicle Steer Axle GAW (line 4) MUST each be less than Steer Axle GAWR (line 12).	 Verify
Enter Tow Vehicle Drive Axle GAWR as indicated on the Tow Vehicle MWL.	13.
Tow Vehicle Drive Axle GAWR (line 2) and Coupled Tow Vehicle Drive Axle GAW (line 5) MUST each be less than Drive Axle GAWR (line 13).	 Verify
Enter Trailer GAWR as indicated on the Trailer MWL.	14.
Each Fifth Wheel Axle GAW (lines 8, 9 and 10) MUST each be less than the Trailer GAWR (line 14).	 Verify

Enter Trailer GVWR as indicated on the Trailer MWL.	15.
Calculate Trailer GTW. Add the Fifth Wheel Pin Weight (line 7) and the Fifth Wheel Trailer Total GAW (line 11): (7+11=16).	16.
Trailer GTW (line 16) MUST be less than the Trailer GVWR (line 15).	 Verify
Enter Tow Vehicle GCWR from the Tow Vehicle MWL.	17.
Calculate GCW. Add Coupled Tow Vehicle GVW (line 6) and Total Trailer GAW (line 11): (6+11=18)	18.
GCW (line 18) MUST be less than the Tow Vehicle GCWR (line 17) If not, the Tow Vehicle and Fifth Wheel exceed their designed combined maximum weight rating and this MUST be resolved.	 Verify

WORKSHEET #12 - SINGLE AXLE SCALE

Travel Trailers and Tow Vehicles

INSTRUCTIONS

Position the Tow Vehicle and Fifth Wheel on the scale platform, one axle set at a time, so that each axle is centered on the platform as best possible. Once a weight is established, move to the next axle. Weight data will be collected with WDH disconnected and connected. All weights recorded in pounds (lbs).

TOW VEHICLE ONLY WEIGHT

Enter Steer Axle GAW.	1.
Enter Drive Axle GAW.	2.
Calculate Tow Vehicle GVW: $(1+2=3)$.	3.






COUPLED TOW VEHICLE - TRAVEL TRAILER ATTACHED WEIGHT DISTRIBUTING HITCH NOT CONNECTED

Enter Steer Axle GAW.	4.
Enter Drive Axle GAW.	5.
Calculate Coupled Tow Vehicle GVW: $(4+5=6)$	6.
Enter Travel Trailer Axle One GAW.	7.
Enter Travel Trailer Axle Two GAW.	8.
Enter Travel Trailer Axle Three GAW.	9.
Calculate Total Trailer GAW: Add Axle One GAW (line 7), Axle Two GAW (line 8) and Axle Three GAW (line 9): $(7+8+9=10)$	10.

COUPLED TOW VEHICLE - TRAVEL TRAILER ATTACHED WEIGHT DISTRIBUTING HITCH CONNECTED

Enter Steer Axle GAW.	11.
Enter Drive Axle GAW.	12.
Calculate Coupled Tow Vehicle GVW: $(11+12=13)$.	13.
Enter Travel Trailer Axle One GAW.	14.
Enter Travel Trailer Axle Two GAW.	15.
Enter Travel Trailer Axle Three GAW.	16.

CALCULATIONS

Enter Tow Vehicle Steer Axle GAWR as indicated on the Tow Vehicle MWL.	17.
Tow Vehicle Steer Axle GAW (line 1, line 4 and line 11) MUST each be less than Steer Axle GAWR (line 17).	 Verify
Enter Tow Vehicle Drive Axle GAWR as indicated on the Tow Vehicle MWL.	18.
Tow Vehicle Drive Axle GAW (line 2, Line 5 and line 12) MUST each be less than Drive Axle GAWR (line 12).	 Verify
Enter Trailer GAWR as indicated on the Trailer MWL.	19.
Each Trailer GAW (line 7, line 8, line 9, line 14, line 15 and line 16) MUST each be less than the Trailer GAWR (line 19).	 Verify
Enter Trailer GVWR as indicated on the Trailer MWL.	20.
Calculate Trailer Tongue Weight. Subtract the Tow Vehicle GVW (line 3) from Coupled Tow Vehicle GVW (line 6): $(6-3=21)$.	21.
Calculate GTW. Add Tongue Weight (line 21) and the Travel Trailer Total GAW (line 10): $(21+10=22)$.	22.
Total GTW (line 22) MUST be less that the Trailer GVWR (line 20).	 Verify
Enter Tow Vehicle GCWR from the Tow Vehicle MWL.	23.
Calculate GCW. Add Coupled GVW (line 6) and Total Trailer GAW (line 10): $(6+10=24)$.	24.
The GCW (line 24) MUST be less than the Tow Vehicle GCWR (line 23). If not, the Tow Vehicle and Travel Trailer exceed their designed combined maximum weight rating and this MUST be resolved.	 Verify

WORKSHEET #13 – WIDE SINGLE AXLE SCALE WEIGHT

For Class A, Class B, Class C, Unattached Tow
Vehicles and Pickup Campers

INSTRUCTIONS		
Position Vehicle so that axles are centered on the scale platform. This worksheet is used for scales that have sufficient room to allow you to reposition the Vehicle so that only half the Vehicle is on the scale. This will allow calculation of Vehicle weight by corner. Once a weight is established, move to the next axle. All weights recorded in pounds (lbs).		
VEHICLE ONLY WEIGHT – COMPLETELY ON SCALE		
Enter Steer Axle GAW.	1.	
Enter Drive Axle GAW.	2.	
Enter Tag Axle GAW (if equipped).	3.	
Calculate Tow Vehicle GVW: Add Steer Axle GAW (line 1), Drive Axle (line 2) and Tag Axle (line 3) and Drive Axle (line 2): (1+2+3=4).	4.	
VEHICLE ONLY – HALF VEHICLE ON SCALE		
LEFT	Enter appropriate side of Steer Axle on the scale. Subtract that value from line 1 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Drive Axle on the scale. Subtract that value from line 2 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Tag Axle on the scale. Subtract that value from line 3 and enter the opposite side axle weight.	RIGHT
CALCULATIONS		
Enter Vehicle Steer Axle GAWR as listed on the Vehicle MWL.	5.	
Steer Axle GAW (line 1) MUST be less than GAWR (line 5).	Verify	
Enter Vehicle Drive Axle GAWR as listed on the Vehicle MWL.	6.	
Drive Axle GAW (line 2) MUST be less than GAWR (line 6).	Verify	
Enter Vehicle Tag Axle GAWR as listed on the Vehicle MWL.	7.	
Tag Axle GAW (line 3) MUST be less than GAWR (line 7).	Verify	
Enter Vehicle GVWR from the Vehicle MWL.	8.	
The GVW (line 4) MUST be less than the GVWR (line 8). If not, the Vehicle exceeds its GVWR and this MUST be resolved.	Verify	

WORKSHEET #14 - WIDE SINGLE AXLE SCALE WEIGHT

Fifth Wheel Vehicles and Tow Vehicles

INSTRUCTIONS

Position Tow Vehicle and Fifth Wheel Trailer so that axles are centered on the scale platform. This worksheet is used for scales that have sufficient room to allow you to reposition the Tow Vehicle and Trailer so that only half the Tow Vehicle and Trailer axles are on the scale platform at once. This will allow calculation of Vehicle weight by corner. Once a weight is established, move to the next axle. All weights recorded in pounds (lbs).

TOW VEHICLE ONLY WEIGHT – CENTERED ON SCALE PLATFORM

Enter Steer Axle GAW.	1.
Enter Drive Axle GAW.	2.
Calculate Tow Vehicle GVW: $(1+2=3)$.	3.

TOW VEHICLE ONLY – HALF VEHICLE ON SCALE PLATFORM

LEFT	Enter appropriate side of Steer Axle on the scale. Subtract that value from line 1 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Steer Axle on the scale. Subtract that value from line 2 and enter the opposite side axle weight.	RIGHT






COUPLED TOW VEHICLE - FIFTH WHEEL TRAILER ATTACHED CENTERED ON SCALE PLATFORM

Enter Steer Axle GAW.	4.
Enter Drive Axle GAW.	5.
Enter Fifth Wheel Trailer Axle One GAW:	6.
Enter Fifth Wheel Trailer Axle Two GAW:	7.
Enter Fifth Wheel Trailer Axle Three GAW:	8.
Calculate Coupled Tow Vehicle GVW. Add Steer Axle GAW (line 4) and Drive Axle GAW (line 5): $(4+5=9)$.	9.
Calculate Fifth Wheel Pin Weight. Subtract Tow Vehicle GVW (line 3) from Coupled Tow Vehicle GVW (line 9): $(9-3=10)$	10.

COUPLED TOW VEHICLE - FIFTH WHEEL TRAILER ATTACHED HALF ON SCALE PLATFORM

LEFT	Enter appropriate side of Steer Axle on the scale. Subtract that value from line 4 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Drive Axle on the scale. Subtract that value from line 5 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Trailer Axle One on the scale. Subtract that value from line 6 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Trailer Axle Two on the scale. Subtract that value from line 7 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Trailer Axle Three on the scale. Subtract that value from line 8 and enter the opposite side axle weight.	RIGHT

CALCULATIONS

Enter Tow Vehicle Steer Axle GAWR as indicated on the Tow Vehicle MWL.	11.
Tow Vehicle Steer Axle GAW (line 1) and Coupled Tow Vehicle GAW (line 4) MUST each be less than Tow Vehicle Steer Axle GAWR (line 11).	 Verify
Enter Tow Vehicle Drive Axle GAWR as indicated on the Tow Vehicle MWL.	12.
Tow Vehicle Drive Axle GAW (line 2) and Coupled Tow Vehicle GAW (line 5) MUST each be less than Tow Vehicle Drive Axle GAWR (line 12).	 Verify
Enter Fifth Wheel GAWR as indicated on the Trailer MWL.	13.
Fifth Wheel GAW (line 6, line 7 and line 8) MUST each be less than Trailer Axles GAWR (line 13).	 Verify
Enter Fifth Wheel Trailer GVWR as indicated on the Trailer MWL.	14.
Calculate Fifth Wheel GTW: Add Fifth Wheel Pin Weight (line 10) and the Fifth Wheel Trailer GAW (line 6, line 7 and line 8): $(6+7+8+10=15)$.	15.
Fifth Wheel Trailer GTW (line 15) MUST be less than the Fifth Wheel Trailer GVWR (line 14).	 Verify
Enter Tow Vehicle GCWR from the MWL.	16.
Calculate GCW by adding Tow Vehicle GVW (line 3) to the Trailer GTW (line 15): $(3+15=17)$.	17.
GCW (line 17) MUST be less than the Tow Vehicle GCWR (line 16). If not, the Tow Vehicle and Fifth Wheel exceed their designed combined maximum weight rating and this MUST be resolved.	 Verify

WORKSHEET #15 – WIDE SINGLE AXLE SCALE WEIGHT

Travel Trailer and Tow Vehicle

INSTRUCTIONS

Position Tow Vehicle and Travel Trailer so that axles are centered on the scale platform. This worksheet is used for scales that have sufficient room to allow you to reposition the Tow Vehicle and Trailer so that only half the Tow Vehicle and Trailer axles are on the scale platform at once. This will allow calculation of Vehicle weight by corner. Weight data will be collected with WDH disconnected and connected. Once a weight is established, move to the next axle. All weights recorded in pounds (lbs).

TOW VEHICLE ONLY WEIGHT – CENTERED ON SCALE PLATFORM

Enter Steer Axle GAW.	1.
Enter Drive Axle GAW.	2.
Calculate Tow Vehicle GVW: $(1+2=3)$.	3.

TOW VEHICLE ONLY WEIGHT HALF OF VEHICLE ON SCALE PLATFORM

LEFT	Enter appropriate side of Steer Axle on the scale. Subtract that value from line 1 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Drive Axle on the scale. Subtract that value from line 2 and enter the opposite side axle weight.	RIGHT

COUPLED TOW VEHICLE - TRAVEL TRAILER WEIGHT DISTRIBUTING HITCH NOT CONNECTED CENTERED ON SCALE PLATFORM

Enter Steer Axle GAW.	4.
Enter Drive Axle GAW.	5.
Calculate Coupled Tow Vehicle GVW: $(4+5=6)$	6.
Enter Travel Trailer Axle One GAW.	7.
Enter Travel Trailer Axle Two GAW.	8.
Enter Travel Trailer Axle Three GAW.	9.
Calculate Trailer Total GAW: $(7+8+9=10)$	10.

**COUPLED TOW VEHICLE - TRAVEL TRAILER ATTACHED
WEIGHT DISTRIBUTING HITCH NOT CONNECTED
HALF ON SCALE**

LEFT	Enter appropriate side of Steer Axle on the scale. Subtract that value from line 4 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Drive Axle on the scale. Subtract that value from line 5 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Trailer Axle One on the scale. Subtract that value from line 7 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Trailer Axle Two on the scale. Subtract that value from line 8 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Trailer Axle Three on the scale. Subtract that value from line 9 and enter the opposite side axle weight.	RIGHT

**COUPLE TOW VEHICLE - TRAVEL TRAILER
WEIGHT DISTRIBUTING HITCH CONNECTED
CENTERED ON SCALE PLATFORM**






Enter Steer Axle GAW.	11.
Enter Drive Axle GAW.	12.
Calculate Coupled Tow Vehicle GVW: $(11+12=13)$	13.
Enter Travel Trailer Axle One GAW.	14.
Enter Travel Trailer Axle Two GAW.	15.
Enter Travel Trailer Axle Three GAW.	16.

**TOW VEHICLE - TRAVEL TRAILER ATTACHED
WEIGHT DISTRIBUTING HITCH CONNECTED
HALF ON SCALE**

LEFT	Enter appropriate side of Steer Axle on the scale. Subtract that value from line 11 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Drive Axle on the scale. Subtract that value from line 12 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Trailer Axle One on the scale. Subtract that value from line 14 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Trailer Axle Two on the scale. Subtract that value from line 15 and enter the opposite side axle weight.	RIGHT
LEFT	Enter appropriate side of Trailer Axle Three on the scale. Subtract that value from line 16 and enter the opposite side axle weight.	RIGHT

CALCULATIONS

Enter Tow Vehicle GAWR for the Steer Axle as indicated on the Tow Vehicle MWL.	17.
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Tow Vehicle Steer Axle GAW (line 1, Line 4 and line 11) MUST each be less than Steer Axle GAWR (line 17).	 Verify
Enter Tow Vehicle GAWR for the Drive Axle as indicated on the Tow Vehicle MWL.	18.
Tow Vehicle Drive Axle GAW (line 2, Line 5 and Line 12) MUST each be less than Drive Axle GAWR (line 18).	 Verify
Enter Trailer GAWR as indicated on the Trailer MWL.	19.
Travel Trailer GAW (line 7, line 8, line 9, line 14, line 15, and line 16) MUST each be less than the Trailer GAWR (line 19).	 Verify
Enter Trailer GVWR as indicated on the Trailer MWL.	20.
Calculate Trailer Tongue Weight. Subtract the Tow Vehicle GVW (line 3) from the Coupled Tow Vehicle GVW (line 6): $(6-3=21)$	21.
Calculate GTW. Add Trailer Total GAW (line 10) and Trailer Tongue Weight (line 21): $(21+10=22)$	22.
GTW (line 22) MUST be less that the Trailer GVWR (line 20).	 Verify
Enter Tow Vehicle GCWR from the Tow Vehicle MWL.	23.
Calculate GCW. Add Coupled Tow Vehicle GVW (line 6) and Trailer Total GAW (line 10): $(6+10=24)$	24.
The CGW (line 24) MUST be less than the GCWR (line 23). If not, the Tow Vehicle and Travel Trailer exceed their designed combined maximum weight rating and this MUST be resolved.	 Verify