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**Rifle Reloading Cost Calculator | Handgun Reloading Cost Calculator**

**Shotshell Reloading Cost Calculator**

Based on a box of 25 shells

Enter your powder cost: \$ <input type="text" value="109.19"/>	For how many pounds? <input type="text" value="8"/>	How many grains in your load? <input type="text" value="18.5"/>	
Enter your primer cost: \$ <input type="text" value="45.50"/>	For how many primers? <input type="text" value="1000"/>		
Enter your wad cost: \$ <input type="text" value="27.50"/>	For how many wads? <input type="text" value="1000"/>		
Enter your shot cost: \$ <input type="text" value="37"/>	For how many pounds? <input type="text" value="25"/>	How many <u>decimal ounces</u> in your load? <input type="text" value="1.0"/>	
Enter your hull cost: \$ <input type="text" value="65"/> (Leave both blank if free.)	For how many hulls? <input type="text" value="1000"/>	How many times will you reload these hulls? <input type="text" value="7"/> (Leave blank if free.)	
Enter the price of a box of factory shells: \$ <input type="text" value="8.50"/>		Enter the cost of your reloader: \$ <input type="text" value="165"/>	
<u>Component</u>	<u>Cost Per Shell</u>	<u>Cost Per Box of 25 Shells</u>	<u>Notes</u>
<b>Powder</b>	\$ <input type="text" value="0.036"/>	\$ <input type="text" value="0.902"/>	<input type="text" value="3027"/> loads at <input type="text" value="18.5"/> grains of the <input type="text" value="8"/> pounds of powder you entered.
<b>Primers</b>	\$ <input type="text" value="0.046"/>	\$ <input type="text" value="1.138"/>	
<b>Wads</b>	\$ <input type="text" value="0.028"/>	\$ <input type="text" value="0.688"/>	
<b>Shot</b>	\$ <input type="text" value="0.093"/>	\$ <input type="text" value="2.313"/>	<input type="text" value="400"/> loads at <input type="text" value="1"/> ounces of the <input type="text" value="25"/> pounds of shot you entered.
<b>Hulls</b>	\$ <input type="text" value="0.009"/>	\$ <input type="text" value="0.232"/>	Hull will be used <input type="text" value="7"/> times.
<b>Reload without Hull</b>	\$ <input type="text" value="0.202"/>	\$ <input type="text" value="5.039"/>	
<b>Reload with Hull</b>	\$ <input type="text" value="0.211"/>	\$ <input type="text" value="5.271"/>	<input type="button" value="Calculate"/> <input type="button" value="Clear Data"/>
Savings between a box of reloads and factory shells without hull: \$ <input type="text" value="3.461"/>			
Savings between a box of reloads and factory shells with hull: \$ <input type="text" value="3.229"/>			
It will take you <input type="text" value="48"/> boxes of reloads or <input type="text" value="1192"/> reloads to pay for the reloader without hull.			
It will take you <input type="text" value="51"/> boxes of reloads or <input type="text" value="1278"/> reloads to pay for the reloader with hull.			

You should include any applicable sales tax and shipping in your cost figures.

To save this program to your computer, click on your browser's File | Save As and save it to your computer's hard drive.

Ounces to Decimal Conversion

- 1/2 = .5
- 3/4 = .75
- 11/16 = .6875
- 7/8 = .875
- 1 = 1.0
- 1-1/16 = 1.0625
- 1-1/8 = 1.125
- 1-1/4 = 1.25
- 1-3/8 = 1.375
- 1-1/2 = 1.5

1-5/8 = 1.625  
 1-3/4 = 1.75  
 1-7/8 = 1.875  
 2 = 2.0  
 2-1/4 = 2/25

## Shotshell Reloader's Reference

### Shotgun/Shotshell Facts (Image, opens in new window)

COMMON SHOT CHARGES (TRUE WEIGHTS) = LOADS PER BAG OF SHOT:

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1/2 oz. (218.75 gr.) = 800  
 5/8 oz. (273.44 gr.) = 639  
 11/16 oz. (300.78 gr.) = 581  
 3/4 oz. (328.13 gr.) = 533  
 13/16 oz. (355.47 gr.) = 492  
 24 Gram (369.95 gr.) = 472  
 7/8 oz. (382.81 gr.) = 457  
 1 oz. (437.5 gr.) = 400  
 1-1/8 oz. (492.19 gr.) = 355  
 1-1/4 oz. (546.88 gr.) = 320  
 1-3/8 oz. (601.56 gr.) = 290  
 1-1/2 oz. (656.25 gr.) = 266  
 1-5/8 oz. (710.93 gr.) = 246  
 1-3/4 oz. (765.63 gr.) = 228  
 1-7/8 oz. (820.32 gr.) = 213  
 2 oz. (875 gr.) = 200  
 2-1/4 oz. (984.38 gr.) = 177  
 2-1/2 oz. (1,093.75 gr.) = 160

HOWEVER: Charge bars usually deliver less than their designated shot weight, so you'll likely get a few more loads than those true-weight counts.

If you want to know more exactly how many loads you'll get from what the charge bar actually delivers, weigh each of 10 drops and divide by 10 to get the average weight in grains.

Then divide 175,000 by that.

For example: 3/4 oz. is 328.13 grains, but the bar drops an average of 315 grains, so: 175,000 / 315 = 555 loads, or 22 more per bag than you'd get if the bar actually dropped a true 3/4 oz.

#### HANDY FACTS

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Bag of shot = 25 lbs. = 400 ounces = 175,000 grains (1 lb. = 7,000 gr.; 1 oz. = 437.5 gr.)

LOADS-PER-BAG FORMULA: 400 divided by Shot Load Weight

Example 1: 1/2 oz. -- 400 / .5 = 800 loads

Example 2: 1-1/8 oz. -- 400 / 1.125 = 355 loads

COMMON RELOADING FRACTIONS OF AN OUNCE TO DECIMAL/GRAINS CONVERSIONS:

1/8 = .125 oz./54.69 gr.  
 1/4 = .25 oz./109.38 gr.  
 3/8 = .375 oz./164.1 gr.  
 1/2 = .5 oz./218.75 gr.  
 5/8 = .625 oz./273.44 gr.  
 11/16 = .6875 oz./300.78 gr.  
 3/4 = .75 oz./328.13 gr.  
 13/16 = .8125 oz./355.47 gr.  
 24 Grams = .8465664 oz./369.95 gr. (1 Gram = .0352736 oz./15.43 gr.)

7/8 = .875 oz./382.81 gr.

## Chilled Shot Conversions

Weight Ounces	1/2	5/8	11/16	3/4	7/8	1	1-1/8	1-1/4	1-3/8	1-1/2	1-5/8	1-3/4	1-7/8	2	2-1/8	
<b>Weight Grains</b>	219	273	301	328	383	438	492	547	602	656	711	766	820	875	930	
<b>Loads Per Lb.</b>	32	26	23	21	18	16	14	13	12	11	10	9	9	8	8	
Size	Dia. In.	Approximate number of pellets per load (lead shot only)														
<b>BB</b>	<b>.18</b>	25	21	34	38	44	50	56	63	69	75	81	88	94	100	106
<b>2</b>	<b>.15</b>	44	55	61	66	77	88	99	110	121	132	143	154	165	176	187
<b>4</b>	<b>.13</b>	68	85	94	102	119	136	153	170	187	204	221	238	255	272	289
<b>5</b>	<b>.12</b>	86	108	118	129	151	172	194	215	237	258	280	301	323	344	366
<b>6</b>	<b>.11</b>	112	139	153	167	195	223	251	279	307	335	362	390	418	446	474
<b>7</b>	<b>.10</b>	150	187	206	224	262	299	336	374	411	449	486	523	561	598	635
<b>7-1/2</b>	<b>.095</b>	173	216	237	259	302	345	388	431	474	518	561	604	647	690	733
<b>8</b>	<b>.09</b>	205	256	281	301	358	409	460	511	562	614	665	716	767	818	869
<b>8-1/2</b>	<b>.085</b>	240	300	330	360	420	480	540	600	660	720	780	840	900	960	1020
<b>9</b>	<b>.08</b>	293	366	402	439	512	585	658	731	804	878	951	1024	1097	1170	1243

## Skeet/Trap Chilled Shot Conversions

Weight Ounces	1/2	5/8	11/16	3/4	13/16	24 Gram	7/8	1	1-1/8	
<b>Decimal Ounces</b>	.5	.625	.6875	.75	.8125	.8466	.875	1	1.125	
<b>Weight Grains</b>	218.75	273.44	300.78	328.13	355.4	370.4	382.81	437.5	492.19	
<b>Loads per bag</b>	800	640	582	533	492	472	457	400	355	
Size	Dia. In.	Approximate pellets per load								
<b>7-1/2</b>	<b>.095</b>	173	216	237	259	280	292	302	345	388
<b>8</b>	<b>.09</b>	205	256	281	301	332	346	358	409	460
<b>8-1/2</b>	<b>.085</b>	240	300	330	360	390	406	420	480	540
<b>9</b>	<b>.08</b>	293	366	402	439	475	495	512	585	658
<b>Approximate actual pellet sizes -- 7-1/2, 8, 8-1/2, 9:</b> *   *   *   *										

<i>Shot gained using 3/4 oz. payloads</i>				
Ounces	3/4	7/8	1	1-1/8
Loads per bag	533	457	400	355
Loads gained per bag	-	76	133	178
<i>Shot gained using 11/16 oz. payloads</i>				
Loads gained per bag	49	125	182	227