

**Table for % of Gold in Quartz**

Specific Gravity Calculation	% of Rock Specimen that is gold (SG 19.3 Gold and 2.65 for Quartz used)	Specific Gravity Calculation	% of Rock Specimen that is gold (SG 19.3 Gold and 2.65 for Quartz used)	Specific Gravity Calculation	% of Rock Specimen that is gold (SG 19.3 Gold and 2.65 for Quartz used)	Specific Gravity Calculation	% of Rock Specimen that is gold (SG 19.3 Gold and 2.65 for Quartz used)	Specific Gravity Calculation	% of Rock Specimen that is gold (SG 19.3 Gold and 2.65 for Quartz used)
2.65005963	0.00	3.1847134	19.46	3.9840637	38.81	5.319149	58.17	8	77.52
2.65957447	0.42	3.1948882	19.77	4	39.12	5.347594	58.47	8.064516	77.83
2.66666667	0.72	3.2051282	20.08	4.0160643	39.43	5.376344	58.78	8.130081	78.13
2.67379679	1.03	3.2154341	20.38	4.0322581	39.74	5.405405	59.09	8.196721	78.44
2.68096515	1.34	3.2258065	20.69	4.048583	40.04	5.434783	59.40	8.264463	78.75
2.68817204	1.65	3.236246	21.00	4.0650407	40.35	5.464481	59.70	8.333333	79.05
2.69541779	1.95	3.2467532	21.31	4.0816327	40.66	5.494505	60.01	8.403361	79.36
2.7027027	2.26	3.257329	21.61	4.0983607	40.96	5.524862	60.32	8.474576	79.67
2.7100271	2.57	3.2679739	21.92	4.1152263	41.27	5.555556	60.62	8.547009	79.98
2.7173913	2.87	3.2786885	22.23	4.1322314	41.58	5.586592	60.93	8.62069	80.28
2.72479564	3.18	3.2894737	22.53	4.1493776	41.89	5.617978	61.24	8.695652	80.59
2.73224044	3.49	3.30033	22.84	4.1666667	42.19	5.649718	61.55	8.77193	80.90
2.73972603	3.80	3.3112583	23.15	4.1841004	42.50	5.681818	61.85	8.849558	81.20
2.74725275	4.10	3.3222591	23.46	4.2016807	42.81	5.714286	62.16	8.928571	81.51
2.75482094	4.41	3.3333333	23.76	4.2194093	43.11	5.747126	62.47	9.009009	81.82
2.76243094	4.72	3.3444816	24.07	4.2372881	43.42	5.780347	62.77	9.090909	82.13
2.7700831	5.02	3.3557047	24.38	4.2553191	43.73	5.813953	63.08	9.174312	82.43
2.77777778	5.33	3.3670034	24.68	4.2735043	44.04	5.847953	63.39	9.259259	82.74
2.78551532	5.64	3.3783784	24.99	4.2918455	44.34	5.882353	63.70	9.345794	83.05
2.79329609	5.95	3.3898305	25.30	4.3103448	44.65	5.91716	64.00	9.433962	83.36
2.80112045	6.25	3.4013605	25.61	4.3290043	44.96	5.952381	64.31	9.52381	83.66
2.80898876	6.56	3.4129693	25.91	4.3478261	45.27	5.988024	64.62	9.615385	83.97
2.81690141	6.87	3.4246575	26.22	4.3668122	45.57	6.024096	64.92	9.708738	84.28
2.82485876	7.18	3.4364261	26.53	4.3859649	45.88	6.060606	65.23	9.803922	84.58
2.83286119	7.48	3.4482759	26.83	4.4052863	46.19	6.097561	65.54	9.90099	84.89
2.84090909	7.79	3.4602076	27.14	4.4247788	46.49	6.134969	65.85	10	85.20
2.84900285	8.10	3.4722222	27.45	4.4444444	46.80	6.17284	66.15	10.10101	85.51
2.85714286	8.40	3.4843206	27.76	4.4642857	47.11	6.21118	66.46	10.20408	85.81
2.86532951	8.71	3.4965035	28.06	4.4843049	47.42	6.25	66.77	10.30928	86.12
2.87356322	9.02	3.5087719	28.37	4.5045045	47.72	6.289308	67.07	10.41667	86.43
2.88184438	9.33	3.5211268	28.68	4.5248869	48.03	6.329114	67.38	10.52632	86.73
2.89017341	9.63	3.5335689	28.98	4.5454545	48.34	6.369427	67.69	10.6383	87.04
2.89855072	9.94	3.5460993	29.29	4.56621	48.64	6.410256	68.00	10.75269	87.35
2.90697674	10.25	3.5587189	29.60	4.587156	48.95	6.451613	68.30	10.86957	87.66
2.9154519	10.55	3.5714286	29.91	4.6082949	49.26	6.493506	68.61	10.98901	87.96
2.92397661	10.86	3.5842294	30.21	4.6296296	49.57	6.535948	68.92	11.11111	88.27
2.93255132	11.17	3.5971223	30.52	4.6511628	49.87	6.578947	69.22	11.23596	88.58
2.94117647	11.48	3.6101083	30.83	4.6728972	50.18	6.622517	69.53	11.36364	88.88
2.94985251	11.78	3.6231884	31.14	4.6948357	50.49	6.666667	69.84	11.49425	89.19
2.95857988	12.09	3.6363636	31.44	4.7169811	50.79	6.711409	70.15	11.62791	89.50
2.96735905	12.40	3.649635	31.75	4.7393365	51.10	6.756757	70.45	11.76471	89.81
2.97619048	12.70	3.6630037	32.06	4.7619048	51.41	6.802721	70.76	11.90476	90.11
2.98507463	13.01	3.6764706	32.36	4.784689	51.72	6.849315	71.07	12.04819	90.42
2.99401198	13.32	3.6900369	32.67	4.8076923	52.02	6.896552	71.38	12.19512	90.73
3.003003	13.63	3.7037037	32.98	4.8309179	52.33	6.944444	71.68	12.34568	91.03

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3.01204819	13.93	3.7174721	33.29	4.8543689	52.64	6.993007	71.99	12.5	91.34
3.02114804	14.24	3.7313433	33.59	4.8780488	52.94	7.042254	72.30	12.65823	91.65
3.03030303	14.55	3.7453184	33.90	4.9019608	53.25	7.092199	72.60	12.82051	91.96
3.03951368	14.85	3.7593985	34.21	4.9261084	53.56	7.142857	72.91	12.98701	92.26
3.04878049	15.16	3.7735849	34.51	4.950495	53.87	7.194245	73.22	13.15789	92.57
3.05810398	15.47	3.7878788	34.82	4.9751244	54.17	7.246377	73.53	13.33333	92.88
3.06748466	15.78	3.8022814	35.13	5	54.48	7.29927	73.83	13.51351	93.18
3.07692308	16.08	3.8167939	35.44	5.0251256	54.79	7.352941	74.14	13.69863	93.49
3.08641975	16.39	3.8314176	35.74	5.0505051	55.09	7.407407	74.45	13.88889	93.80
3.09597523	16.70	3.8461538	36.05	5.0761421	55.40	7.462687	74.75	14.08451	94.11
3.10559006	17.00	3.8610039	36.36	5.1020408	55.71	7.518797	75.06	14.28571	94.41
3.1152648	17.31	3.875969	36.66	5.1282051	56.02	7.575758	75.37	14.49275	94.72
3.125	17.62	3.8910506	36.97	5.1546392	56.32	7.633588	75.68	14.70588	95.03
3.13479624	17.93	3.90625	37.28	5.1813472	56.63	7.692308	75.98	14.92537	95.34
3.14465409	18.23	3.9215686	37.59	5.2083333	56.94	7.751938	76.29	15.15152	95.64
3.15457413	18.54	3.9370079	37.89	5.2356021	57.25	7.8125	76.60	15.38462	95.95
3.16455696	18.85	3.9525692	38.20	5.2631579	57.55	7.874016	76.90	15.625	96.26
3.17460317	19.16	3.968254	38.51	5.2910053	57.86	7.936508	77.21	15.87302	96.56

**How to Use the Table**

1. Calculate the Specific Gravity of the rock specimen containing the Gold  
see <http://www.gold-prospecting-wa.com/gold-in-quartz.html>
2. Read the specific gravity number you have assessed for the rock specimen in the white column "Specific Gravity Calculation"
3. The adjacent list in the green column is the Approximate % of gold in that rock specimen
4. Multiply the weight of the rock by the % of gold and it will return the approximate weight of gold

**example:**

Specimen size                    120 grams  
 Specific Gravity Calculation      3.1347  
 % of Gold in the rock              17.93  
 17.93% of 120 grams is          21.5grams