

PENNYWEIGHTS AND GRAINS TO FRACTIONS OF A TROY OUNCE

DWTS.	OUNCES	DWTS.	OUNCES	DWTS.	OUNCES
1	.050	8	.400	15	.750
1-1/4	.063	8-1/4	.413	15-1/4	.763
1-1/2	.075	8-1/2	.425	15-1/2	.775
1-3/4	.088	8-3/4	.438	15-3/4	.788
2	.100	9	.450	16	.800
2-1/4	.113	9-1/4	.463	16-1/4	.813
2-1/2	.125	9-1/2	.475	16-1/2	.825
2-3/4	.138	9-3/4	.488	16-3/4	.838
3	.150	10	.500	17	.850
3-1/4	.163	10-1/4	.513	17-1/4	.863
3-1/2	.175	10-1/2	.525	17-1/2	.875
3-3/4	.188	10-3/4	.538	17-3/4	.888
4	.200	11	.550	18	.900
4-1/4	.213	11-1/4	.563	18-1/4	.913
4-1/2	.225	11-1/2	.575	18-1/2	.925
4-3/4	.238	11-3/4	.588	18-3/4	.938
5	.250	12	.600	19	.950
5-1/4	.263	12-1/4	.613	19-1/4	.963
5-1/2	.275	12-1/2	.625	19-1/2	.975
5-3/4	.288	12-3/4	.638	19-3/4	.988
6	.300	13	.650	20	1.000
6-1/4	.313	13-1/4	.663		
6-1/2	.325	13-1/2	.675	GRAINS	OUNCES
6-3/4	.338	13-3/4	.688	1	.013
7	.350	14	.700	6	.025
7-1/4	.363	14-1/4	.713	12	.038
7-1/2	.375	14-1/2	.725	18	.050
7-3/4	.388	14-3/4	.738	24	.050

THE TROY SYSTEM

1 gram	=	15.4324 grains	1 pennyweight	=	.05 troy ounces
1 gram	=	.643 pennyweights	20 pennyweights	=	480 grains
1 gram	=	.03215 troy ounce	20 pennyweights	=	1 troy ounce
11.55517 grams	=	1 pennyweight	14.5833 troy ounces	=	1 pound avoird
31.1048 grams	=	1 troy ounces	12 troy ounces (5760 grains)	=	1 troy pound
1000 grams	=	1 kilogram	16 avoird ounces (700 grains)	=	1 avoird pound
1 kilogram	=	32.15078 troy ounces	avoird weight x .823	=	troy weight
1 pennyweight	=	24 grains			

FINENESS OF GOLD KARATS

Percentage of Gold may be calculated by multiplying fineness by 100.
i.e., 13-1/2 K = .5625 fineness x 100 = 56.2% Gold content.

(Also Equivalents of Grain in Fractions of a Pennyweight)

KARAT (GRAINS)	FINENESS (DWT.)	KARAT (GRAINS)	FINENESS (DWT.)	KARAT (GRAINS)	FINENESS (DWT.)	KARAT (GRAINS)	FINENESS (DWT.)
1/2	.0208	6-1/2	.2708	12-1/2	.5208	18-1/2	.7708
1	.0417	7	.2917	13	.5417	19	.7917
1-1/2	.0625	7-1/2	.3125	13-1/2	.5625	19-1/2	.8125
2	.0833	8	.3330	14	.5833	20	.8333
2-1/2	.1042	8-1/2	.3542	14-1/2	.6042	20-1/2	.8542
3	.1250	9	.3750	15	.6250	21	.8750
3-1/2	.1458	9-1/2	.3958	15-1/2	.6458	21-1/2	.8958
4	.1667	10	.4167	16	.6667	22	.9167
4-1/2	.1875	10-1/2	.4375	16-1/2	.6875	22-1/2	.9375
5	.2083	11	.4583	17	.7083	23	.9583
5-1/2	.2292	11-1/2	.4792	17-1/2	.7292	23-1/2	.9792
6	.2500	12	.5000	18	.7500	24	1.000