

MOHS' SCALE OF HARDNESS

TALC.....	1
GYPSUM.....	2
CALCITE.....	3
FLUORITE.....	4
APATITE.....	5
ORTHOCLASE.....	6
QUARTZ.....	7
TOPAZ.....	8
CORUNDUM.....	9
DIAMOND.....	10

Developed By Mohs (A German Mineralogist), This table is NOT a scale in which the numbers indicate equal divisions of hardness. In other words, the intervals of hardness between the numbers are NOT EQUAL. Mohs' scale is valuable when testing the RELATIVE hardness of gem materials; i.e., a mineral of hardness 8 will scratch a mineral of hardness 7, etc.

One can make tests of relative hardness with the following objects

	MOHS' HARDNESS VALUE
FINGER NAIL.....	2½ OR UNDER
COPPER COIN.....	3
STEEL FILE.....	6 to 7
KNIFE BLADE.....	5½ OR UNDER
WINDOW GLASS.....	5½

WEIGHT CONVERSION TABLE

UNIT TO CONVERT	GRAMS	CARATS	OZ. TROY	DWT	OZ. AV.	GRAIN
1 CARAT	.20	1			.00705478	3.08647
1 GRAM	1	5	.03215	.5430	.03527	15.4324
1 PENNYWEIGHT	1.5517		.05	1	.0548571	24
1 GRAIN	.06479	.3240	.0020833	.041667	.0022857	1
1 OUNCE TROY	31.10348	155.51	1	20	1.09714	480
1 OUNCE AVOIRDUPOIS	28.3495	141.75	.9114883	18.2297		437.5
1 POUND TROY	373.241	1,866.12	12	240	13.1657	5,760
1 POUND AVOIRDUPOIS	453.592	2,267.96	14.5833	291.667	16	7,000

STANDARD ABBREVIATIONS

AVOIRDUPOIS	AV.
CARAT	C. or CT.
GRAIN	GR.
GRAM	G.
KILOGRAM	KG.
MILLIGRAM	MG.
MILLIMETER	MM
PENNYWEIGHT	DWT
POUND	LB.
TROY	T.