

## GOLD CONVERSION TABLES

The gold weight conversion procedures of the **London Bullion Market Association** (LBMA) are used for trading on the London bullion market, and accepted internationally.

### METRIC-IMPERIAL CONVERSIONS

The LBMA records its basis for converting the weight of gold bars from **grams** (metric) to **ounces troy** (imperial), and vice versa, as follows:

1 gram	=	0.0321507465	ounces troy
1 kilogram	=	32.1507465	ounces troy
1 tonne	=	32,150.70	ounces troy
1 ounce troy	=	31.1034768	grams
	=	0.0311034768	kilogram

### BAR WEIGHTS AND FINE GOLD CONTENT

For trading on the London bullion market, the LBMA also records the fine gold content of a range of bar weights, denominated in **grams, ounces troy, tolas** and **taels**, at three precise millesimal gold purities: 995.0, 999.0 and 999.9.

BAR WEIGHTS AND THEIR AGREED FINE GOLD CONTENT			
Gross Weight	Fine gold content in ounces troy		
	Bars 995.0 Assay	Bars 999.0 Assay	Bars 999.9 Assay
1 kilo (1000 grams)	31.990	32.119	32.148
1/2 kilo (500 grams)	15.995	16.059	16.074
1/4 kilo (250 grams)	7.998	8.030	8.037
200 grams	6.398	6.424	6.430
100 grams	3.199	3.212	3.215
50 grams	1.600	1.607	1.608
20 grams	0.640	0.643	0.643
10 grams	0.321	0.322	0.322
5 grams	0.161	0.161	0.161
100 ounces	99.500	99.900	99.990
50 ounces	49.750	49.950	49.995
25 ounces	24.875	24.975	24.998
10 ounces	9.950	9.990	9.999
5 ounces	4.975	4.995	5.000
1 ounce	0.995	0.999	1.000
10 tolas	3.731	3.746	3.750
5 taels	5.987	6.011	6.017

Source: London Bullion Market Association. Table reproduced with permission.

### TROY OUNCE



Valcambi  
Switzerland

### GRAM



Tanaka  
Japan

### TOLA



Emirates  
UAE



REFERENCES TO OTHER GOLD WEIGHTS

Weight	Equivalent Weight	Source of Information
1 tola	0.375 ounces 11.6638 grams	Golddealers Luxembourg a.s.b.l.
1 tael*	1.20337 ounces 37.429 grams	The Chinese Gold & Silver Exchange Society, Hong Kong
1 baht	15.244 grams 0.4901 ounces	Gold Traders Association, Thailand
1 chi 1 cay or luong	3.75 grams 37.50 grams	Saigon Jewelry Company, Vietnam
1 don	3.75 grams	LS-Nikko Copper Inc, South Korea
1 mesghal	4.6083 grams	The Central Bank of the Islamic Republic of Iran

\* In Taiwan, it is reported that the tael can be traded at a different weight: 1 tael = 37.50 grams. Source: UBS (Switzerland).

CALCULATING THE WEIGHT OF "FINE GOLD"

Gold bars are normally traded according to the precise weight of their **fine gold** content.

It is calculated by multiplying the bar's gross weight by its gold purity (or fineness).

Examples

1000 g bar with a millesimal purity of 995 has a fine gold weight of 995 g (1000 g x 0.995).

London Good Delivery bar weighing 401.125 oz bar with a millesimal purity of 995.8 has a fine gold weight of 399.440 oz (401.125 oz x 0.9958).

It can be noted that markets tend to vary in the way that they round decimal points up or down.

BAHT



Chin Hua Heng  
Thailand

LUONG



Saigon  
Vietnam

TAEL



Wing Fung  
Hong Kong

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