How accurate is the tola measurement compared to grams?

Weight and Measurement Conversions · https://www.purejewels.com/faqs/weight-and-measurement-conversions/how-accurate-is-the-tola-measurement-compared-to-grams/

The tola is a highly reliable unit of measurement—especially in the context of gold trading—but it is not as precise or universally standardised as the **gram**, which is part of the I**nternational System of Units (SI)**.

Here's a refined comparison:

Accuracy of Tola vs Grams

1 tola = 11.6638038 grams (precisely defined under British India in 1833)

In **modern practice**, the tola is typically **rounded to 11.66 grams** for convenience.

In the **jewellery industry**, especially in South Asia, tola is often used informally to mean 10 grams when referring to gold ornaments, not coins or bullion.

Compared to Grams:

The **gram** is a globally accepted metric unit, traceable to the International Bureau of Weights and Measures (BIPM).

The **tola**, while historically standardised, can **vary slightly by region** or context, especially in informal settings.

Summary:

Unit	Official Value	Used For	Precision
Tola	11.6638 g (standard)	Coins, bullion, and traditional gold	High (formal), Medium (informal)
Gram	1 g (exact, SI unit)	All scientific and commercial uses	Very High

Tola

Official Value: 11.6638 g (standard)

Used For: Coins, bullion, and traditional gold

Precision: High (formal), Medium (informal)

Gram

Official Value: 1 g (exact, SI unit)

Used For: All scientific and commercial uses

Precision: Very High

At PureJewels, we distinguish this clearly:

- **Coins and bullion:** 1 tola = **11.66g**
- **Jewellery :** 1 tola = **10g**

This ensures both cultural continuity and modern precision, so you can shop or invest with confidence.