

TEAS 7 · MATH

The metric ladder, in the 7 steps the TEAS uses

Every metric conversion on the exam is a decimal point moving a known number of places.

No formula and no calculator needed. Count the steps between the two prefixes and move the decimal that many places — right going down the ladder, left going up.

1	kilo– (k)	$\times 1000$ of the base unit. 1 kg = 1000 g.
2	hecto– (h)	$\times 100$. Rarely used, but it holds the ladder’s spacing.
3	deka– (da)	$\times 10$.
4	base unit	metre, gram, litre. The rung everything is counted from.
5	deci– (d)	$\div 10$. 1 dL = 0.1 L.
6	centi– (c)	$\div 100$. 1 cm = 0.01 m, so 100 cm = 1 m.
7	milli– (m)	$\div 1000$. 1 mL = 0.001 L, and 1000 mL = 1 L.

King Henry Died By Drinking Chocolate Milk — kilo, hecto, deka, base, deci, centi, milli. Seven rungs, in order.