

Engineering

Metric word cards

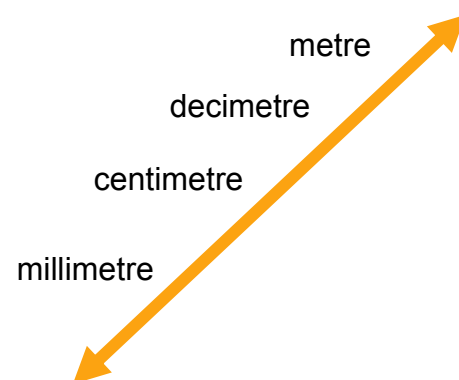
Purpose

The cards below are designed to help facilitate conversations between learners regarding the metric system. They can be used in a variety of ways, including clines, matching exercises or simply as conversation pieces. These cards are designed to support the resource: [Engineering: Developing an understanding of the metric system](#). Instructions for use can be found there.

Clines

A cline is a graded sequence of words whose meanings go across a continuum of meaning. For example, the metric terms in the illustration represent units which increase in size. Learners can take the cards and order them in order of size.

Once learners have mastered one set of words, more can be added to provoke conversation and thinking.



Matching cards

The metric system uses a consistent notation of prefixes to denote the relationship between units. For example, the prefix 'centi' means 1/100 (one hundredth). By providing the cards to learners, the learners can match the prefix meanings to the units of measure. This can be followed by a whole- class discussion.

1,000
metres

kilometre

1 metre

metre

1/100 of a
metre

centimetre

1/1,000 of a
metre

millimetre

1 litre

litre

1/1,000 of a
litre

millilitre

1,000 grams

kilogram

1/1,000 of a
gram

milligram

km

m

cm

mm

l

ml

kg

mg