

5th Grade Math

Dear Parents/Families,

In your student's math class, the upcoming course of study deals with Measurement. Your child will convert measurements, staying within the same system (U.S. Customary or Metric), and create line plots to show data.

In fourth grade, students converted measurements from a larger unit to a smaller unit (e.g., feet to inches, meters to millimeters), and worked with line plots and measurement data.

By the end of this course of study, the following statements describe what your student will be able to do:

- I can convert measurements within the same measuring system.
5.MD.1
- I can make a line plot to display data sets of measurements in fractions.
5.MD.2

Next year in sixth grade, students will begin using dot plots, histograms and box plots to display data, and will also use ratio reasoning to convert measurements.

Vocabulary terms important to this course of study:

Data set, decimal point, tenths, hundredths, thousandths, convert, conversions, measurement system, metric, mass, kilogram, gram, liter, milliliter, meter, centimeter, kilometer, table of equivalent measures, line plot, data.

Additionally, the back of this paper has the IXL standards that can be practiced at home that correlate with this cluster.

If you have any questions about this new topic of study, please don't hesitate to contact a grade level teacher or our math coach. Thank you!

Sincerely,

Miss Owen, Mrs. Reilley and Mrs. Rogers

5th Grade Math

Measurement Cluster:

5.MD.1

- [Compare and convert customary units of length \(Fifth grade - Y.2\)](#)
- [Compare and convert customary units of weight \(Fifth grade - Y.3\)](#)
- [Compare and convert customary units of volume \(Fifth grade - Y.4\)](#)
- [Compare and convert customary units \(Fifth grade - Y.5\)](#)
- [Conversion tables - customary units \(Fifth grade - Y.6\)](#)
- [Compare and convert metric units of length \(Fifth grade - Y.8\)](#)
- [Compare and convert metric units of weight \(Fifth grade - Y.9\)](#)
- [Compare and convert metric units of volume \(Fifth grade - Y.10\)](#)
- [Compare and convert metric units \(Fifth grade - Y.11\)](#)
- [Conversion tables - metric units \(Fifth grade - Y.12\)](#)
- [Compare customary units by multiplying \(Fifth grade - Y.13\)](#)
- [Convert customary units involving fractions \(Fifth grade - Y.14\)](#)
- [Convert mixed customary units \(Fifth grade - Y.15\)](#)
- [Add and subtract mixed customary units \(Fifth grade - Y.16\)](#)

5.MD.2

- [Interpret line plots \(Fifth grade - V.10\)](#)
- [Create line plots \(Fifth grade - V.11\)](#)
- [Create and interpret line plots with fractions \(Fifth grade - V.12\)](#)

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