

Everyday Mathematics

Month-by-Month Overview Grade Four –Regular School Year

Everyday Mathematics lessons require 60 minutes of mathematics per day. In addition to the content standards, all *Everyday Mathematics* lessons address the process standards: problem solving, representations, reasoning and proof, connections, and communication.

Date	Unit	Key Mathematical Ideas
Early Sept. – Mid Sept.	1 Naming and Constructing Geometric Figures	Acquaint students with daily routines and materials; construct angles, triangles, and quadrangles; classify quadrangles; distinguish between convex and concave; use a compass; construct figures with a compass and straightedge.
Mid Sept. – Mid Oct.	2 Using Numbers and Organizing Data	Introduce the World Tour Project; find equivalent names for numbers; name values of digits; read and write large numbers; organize and display data; find data landmarks; measure to the nearest cm; introduce the partial-differences method.
Mid Oct. – Mid Nov.	3 Mult. and Div.; Number Sentences and Algebra	Recall multiplication facts; give a 50-facts test; find air distances; solve number stories; determine whether number sentences are true or false; solve open sentences; develop reasoning skills through logic problems.
Mid Nov. - Early Dec.	4 Decimals and Their Uses	Compare and order decimals; estimate with decimals; compute the balance in an account; establish personal references for metric units; measure in mm; extend base10 system to decimals.
Early Dec. – Mid Jan	5 Big Numbers, Estimation, Computation	Practice extended multiplication facts; estimate sums; use the partial-products algorithm for multiplication; learn lattice multiplication; read, write, and compare large numbers; introduce exponential notation.
Mid Jan – Early Feb.	6 Division, Map Ref. Frames; Angles	Solve equal-grouping stories with a multiples strategy; introduce the partial-quotients algorithm; express and interpret remainders; locate points on a coordinate grid; use a circle protractor; draw angles; classify angles; introduce the global grid system; find latitude and longitude.
Early Feb. - Early March	7 Fractions; Chance & Probability	Find fractional parts of sets and polygonal regions; use pattern blocks to add and subtract fractions; model fractions with clock faces; identify equivalent fractions; rename fractions as decimals; order fractions; find the whole for given fractions; compare predictions with outcomes of probability experiments.
Early March- Late March	8 Perimeter & Area	Measure perimeter in ft and in; create scale drawings; find area; estimate surface area; develop a formula for finding the area of a rectangle, parallelogram, and triangle; use division to compare quantities.
Late March – Late April	9 Percents	Use percents to describe real-world situations; make conversions among fractions, decimals, and percents; tabulate the results of a survey; compare data; multiply and divide decimals.
Late April – Early May	10 Reflections & Symmetry	Explore reflections; identify lines of reflection; discover basic properties of reflections; connect reflections and symmetry; explore frieze patterns; add positive and negative numbers.
Early May – Late May	11 Shapes, Weight, Volume & Capacity	Estimate and measure weight in grams and ounces; identify geometric solids; construct polyhedrons; develop a formula for the volume of a rectangular prism; add and subtract positive and negative numbers; review units of capacity.
Late May – Mid. June	12 Rates	Introduce rates; use a rate table; solve rate problems; convert rates; calculate unit prices; compare prices; calculate fractions of cents; reflect on World Tour.