

# 4th Grade Mathematics Chart



## LENGTH

### Metric

1 kilometer = 1000 meters  
1 meter = 100 centimeters  
1 centimeter = 10 millimeters

### Customary

1 mile = 1760 yards  
1 mile = 5280 feet  
1 yard = 3 feet  
1 foot = 12 inches

## CAPACITY AND VOLUME

### Metric

1 liter = 1000 milliliters

### Customary

1 gallon = 4 quarts  
1 gallon = 128 fluid ounces  
1 quart = 2 pints  
1 pint = 2 cups  
1 cup = 8 fluid ounces

## MASS AND WEIGHT

### Metric

1 kilogram = 1000 grams  
1 gram = 1000 milligrams

### Customary

1 ton = 2000 pounds  
1 pound = 16 ounces

## TIME

1 year = 365 days

# Metric Conversion Chart 4th Grade Math

**N Colangelo**



## **Metric Conversion Chart 4th Grade Math:**

**Eureka Math Curriculum Study Guide** Common Core,2015-03-23 Eureka Math is a comprehensive content rich PreK 12 curriculum that follows the focus and coherence of the Common Core State Standards in Mathematics CCSSM and carefully sequences the mathematical progressions into expertly crafted instructional modules The companion Study Guides to Eureka Math gather the key components of the curriculum for each grade into a single location unpacking the standards in detail so that both users and non users of Eureka Math can benefit equally from the content presented Each of the Eureka Math Curriculum Study Guides includes narratives that provide educators with an overview of what students should be learning throughout the year information on alignment to the instructional shifts and the standards design of curricular components approaches to differentiated instruction and descriptions of mathematical models The Study Guides can serve as either a self study professional development resource or as the basis for a deep group study of the standards for a particular grade For teachers who are new to the classroom or the standards the Study Guides introduce them not only to Eureka Math but also to the content of the grade level in a way they will find manageable and useful Teachers familiar with the Eureka Math curriculum will also find this resource valuable as it allows for a meaningful study of the grade level content in a way that highlights the coherence between modules and topics The Study Guides allow teachers to obtain a firm grasp on what it is that students should master during the year The Eureka Math Curriculum Study Guide Grade 4 provides an overview of all of the Grade 4 modules including Place Value Rounding and Algorithms for Addition and Subtraction Unit Conversions and Problem Solving with Metric Measurement Multi Digit Multiplication and Division Angle Measure and Plane Figures Fraction Equivalence Ordering and Operations Decimal Fractions and Exploring Measurement with Multiplication **CREST-M:**

**Children using Robotics for Engineering, Science, Technology and Math** Dr. Steve Coxon ,Dr. Rebecca Dohrman,Gretchen Roberts ,2015-10-01 A STEM unit aligned with mathematics Common Core State Standards in measurement and robotics for 4th Grade Students and high ability 3rd Grade Students To use this curriculum students will need access to LEGO WeDo 2.0 Robotics kits The development of this curriculum was funded by the Bayer Fund and was developed and evaluated by Maryville University in St Louis Missouri **Eureka Math Grade 4 Study Guide** Great Minds,2015-11-09 Eureka Math is a comprehensive content rich PreK 12 curriculum that follows the focus and coherence of the Common Core State Standards in Mathematics CCSSM and carefully sequences the mathematical progressions into expertly crafted instructional modules The companion Study Guides to Eureka Math gather the key components of the curriculum for each grade into a single location unpacking the standards in detail so that both users and non users of Eureka Math can benefit equally from the content presented Each of the Eureka Math Curriculum Study Guides includes narratives that provide educators with an overview of what students should be learning throughout the year information on alignment to the instructional shifts and the standards design of curricular components approaches to differentiated instruction and

descriptions of mathematical models The Study Guides can serve as either a self study professional development resource or as the basis for a deep group study of the standards for a particular grade For teachers who are new to the classroom or the standards the Study Guides introduce them not only to Eureka Math but also to the content of the grade level in a way they will find manageable and useful Teachers familiar with the Eureka Math curriculum will also find this resource valuable as it allows for a meaningful study of the grade level content in a way that highlights the coherence between modules and topics The Study Guides allow teachers to obtain a firm grasp on what it is that students should master during the year The Eureka Math Curriculum Study Guide Grade 4 provides an overview of all of the Grade 4 modules including Place Value Rounding and Algorithms for Addition and Subtraction Unit Conversions and Problem Solving with Metric Measurement Multi Digit Multiplication and Division Angle Measure and Plane Figures Fraction Equivalence Ordering and Operations Decimal Fractions and Exploring Measurement with Multiplication [Resources in Education](#) ,1983 *The Latest and Best of TESS* ,1991 [Measuring - Grade 4 Workbook](#) Maria Miller,2016-01-02 Measuring Grade 4 Workbook includes lessons on temperature length weight and volume The focus is on conversions between the units and on word problems that involve conversions Students may have difficulty with the conversions and that is why they should also be studied in 5th grade At this point students should be able to easily convert from a bigger unit to a smaller unit such as converting 3 feet into 36 inches or 2 kg into 2 000 grams While the Common Core standards do not include them for 4th grade I have also included some problems where we convert from a smaller unit to a bigger unit such as 4 500 ml into 4 L 500 ml or 12 feet into 4 yards because I feel most children are capable of doing these in 4th grade If you feel your child has difficulty with these types of conversions from a smaller unit to a bigger unit feel free to omit those particular exercises They are intermixed though and not marked in any special way There are separate lessons for customary units and for metric units These lessons include a chart that lists the units and the conversion factors For metric units those charts always include all the units even when they are not in common usage For example one lesson only deals with milliliters and liters However the chart in that lesson also shows the two other units deciliters and centiliters in order to help familiarize the students with these two basic ideas of the metric system The units always differ by a factor of ten The units are named consistently with the same prefixes milli centi deci deka hecto and kilo These prefixes and their meanings are not yet studied in detail in fourth grade You may of course at your discretion explain them to the student [Fourth Grade](#) Rainbow Bridge Publishing,2006-05-21 Activities to develop reading comprehension language arts writing math phonics grammar and analogies [Everyday Mathematics Teacher Lesson Guide Volume 1 Grade 4](#) Edm,University of Chicago. School Mathematics Project,2008 The Teacher s Lesson Guide provides easy to follow lessons organized by instructional unit as well as built in mathematical content support Lessons include planning and assessment tips and multilevel differentiation strategies for all learners This English Spanish Edition provides dual language support [Learning Directory](#) ,1972 [Brain Ticklers](#) ,1995 [El-Hi Textbooks and Serials in](#)

Print ,1987      **The Mathematics Teacher** ,2007      Instructor ,1977      **Designing and Implementing Mathematics Instruction for Students with Diverse Learning Needs** Pamela Hudson,Susan P. Miller,2006 Integrates the explicit teaching practices that have proven effective for students with disabilities with the NCTM math standards that dominant current mathematics practices in the United States Part 1 of the book covers the fundamentals of mathematics assessment and instructional design In Part 2 the detailed scope and sequence charts along with instructional guidelines keyed to the objectives provide teachers with specific guidelines for assessment and design Future or current teachers who will be educating students with diverse abilities in mathematics      InCider ,1984      **Holt Science and Technology 2002** Holt Rinehart & Winston,Holt, Rinehart and Winston Staff,2002      **Resources in Education** ,1982      *Math Grade Five* Student Bk,2001-11-15 Fifth graders will explore and master such concepts as adding subtracting multiplying and dividing whole numbers decimals fractions and mixed numbers prime and composite numbers problem solving with integers rational numbers and real numbers geometry measurement money writing and solving equations and collecting organizing and analyzing data The theme for level five is The Heavens Above      **Curriculum Review** ,1984      The Directive Teacher ,1979

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### **Metric Conversion Chart 4th Grade Math Introduction**

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