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The understanding of Decimal numbers is extended to many other concepts like measurement and time. The idea of area and perimeter are also introduced in grade 4. The concept of fractions is also presented in multiple ways. It is always preferable to have a visual representation of the concepts. A list of some new terms Cumemath's Grade math curriculum is designed in such a way that the students are able to understand and solve math problems mentally. Here is the 4th grade curriculum with topics and subtopics.

What Math Should I 4th Grade Know?Numbers and Number SystemsAddition and SubtractionMultiplication and DivisionFractionsDecimalsPerimeter and AreaPerimeter of polygonsArea of rectanglesArea of trianglesWord problemsTimeMeasurement of time using unitsConvert time unitsTime zonesStart and end timesTime patternsElapsed timeGeometryMeasurement of lengthWeight and capacityMeasure and estimateLengthUnit comparisonsEstimate using a ruler and after taking the measurements, compare and order objects by lengthCompare the weights and volumes of different objects.Data Handling and StatisticsMeanConversion and comparing money unitsRounding moneyUnitsAdd, subtract, multiply, divide money unitsWord problems on moneyEstimation and RoundingEstimate sums and differences.Estimate productsRounding numbers4th Grade Math CurriculumYour kid is growing up to study in Grade 4, and this is an important year for him to build the base for further studies. Grade 4 Math focuses on decimals, fractions, lines, and angles, some higher-order numbers. With appealing visualizations, Cumemath makes learning these concepts fun & enjoyable!Personalized Online Live Math Tutorials for Grade 4Grade 4 students build over what they have learned in their Grade 1, Grade 2 & Grade 3 classes. They start by handling 5-digit numbers and proceed to work with 7-digit numbers throughout the year. The online tutors with Cumemath pay personalized attention to every kid, ensuring that kids are thorough with the concepts. Your child will be tutored by the best math experts in a live, online classroom. Each tuition lesson will slowly improve your kids' math proficiency.Cuemath Tuitions are Conducted by the Best TutorstIt is essential for kids to learn with confidence, especially at a tender age where they are easily discouraged. Fourth-grade students are often faced with more complex mathematical concepts than in previous grades. This can lead to frustration and a loss of interest in math. However, with the right support and resources, you can help your child overcome these challenges and bring out the best in them.So what are you waiting for? Sign up for a free session with us, and discover the hidden love for Math in your child. You will see them progress beautifully when they learn Grade 4 Math with Cumemath online tutors. Also Check: Interactive 4th Grade Math Worksheets 4th grade Math mainly covers topics like addition and subtraction of 5-digit numbers, multiplication and division, conversion of time, fractions, decimals, 2d shapes and 3d shapes, rounding numbers, perimeter and area, measurement of length, weight and capacity, data handling, statistics, and word problems related to money. However, the students may also get a chance to learn other topics as well depending on the school.Is 4th Grade Math Difficult?No, 4th grade math is not difficult but certainly includes some new topics in the curriculum like multiplication, division, fractions, decimals, and so on. The topics of grade 4 make the students think, analyze and work in-depth with concepts of fractions, decimals, measurement, and statistics.What do Fourth Graders Learn in Math?A commonly asked question that occurs is, what Math do fourth graders learn? So, a fourth-grader should know about the following concepts. A detailed list of the sub-topics is given above on this page for reference. Are Online Math Tuitions Needed for my child in Grade 4?Perhaps your fourth-grader needs a little extra help understanding fractions or decimals, or maybe hes unclear with some concepts from Grade 3. Whatever the case, our Grade 4 online tuition classes with Cuemath Tutors will help tackle any problem. The live online classes are designed to teach, challenge, and boost the confidence of budding Mathematicians. One of the most important things to understand about your kid in Grade 4 is that the more he practices in online tuition, the faster he will grasp the formulas and techniques to get ahead. Get your child enrolled in Cuemath online classes today, and see a difference right after a couple of tuition sessions.In fourth grade, students focus most on using all four operations - addition, subtraction, multiplication, and division. These operations are used in almost every aspect of life. Understanding these operations helps children to solve real-world problems and to communicate mathematical ideas effectively. Fourth graders also learn about fractions, decimals, and geometry. They explore how these concepts relate to each other and how they can be applied in various situations. Understanding relationships between fractions and decimals.Addition, subtraction, multiplication & divisionMulti-digit whole numbersQuickly and accurately, add and subtract multi-digit whole numbers up to 1 million (1,000,000).FactorsUnderstand factors whole numbers (numbers without fractions) that can be multiplied together to get another number. Understand that one number can have several factor pairs for example, 3 and 4 are factors of 12 (3 x 4 = 12), and so are 2 and 6 (2 x 6 = 12), and 1 and 12 (1 x 12 = 12).Understand a prime number as having only one factor pair: one and itself.Relationship to place valueRead, write, and compare multi-digit whole numbers, understanding that the value of a digit is ten times what it would be in the place to its right for example, seven is 10 times greater than 0.7. Use understanding of place value to round multi-digit whole numbers to any place.RemaindersMultiply a number of up to four digits by any one-digit number and multiply two two-digit numbers. Divide a number of up to four digits by any one-digit number, including problems with remainders. Explain and illustrate using equations and visual rectangular models.Example:Two hundred fifty doughnuts are divided evenly among six classrooms. How many doughnuts will each classroom receive, and how many doughnuts are left over for the principal?Word problemsSolve multi-step word problems with whole numbers, using addition, subtraction, multiplication, and division problems with remainders. Use mental math and estimation strategies (such as rounding) to check how reasonable an answer is. Write equations for these problems with a letter standing for the unknown quantity.Example:A rectangular field has a perimeter of 400 yards. The field has a length of 125 yards and a width of y yards. Find w. 400 = 125 + 125 + y + y.FractionsBreaking down fractionsBreak fractions down into smaller fractions that have the same denominator (bottom number) in various ways.Example:3/4 = 1/4 + 1/4 + 1/4 + 1/4Adding and Subtracting FractionsAdd and subtract fractions with the same denominator (bottom number).Example:5/8 + 2/8 = 7/8Working With mixed numbersAdd and subtract mixed numbers with the same denominators.Example:1 1/2 + 2 4/6 = 3 5/6Equivalent fractionsUsing visual fraction models number lines, fraction bars (see example below), understand how fractions can be equal (equivalent) even when the number and size of the parts (the numerators and denominators) are different. Recognize and create equal (equivalent) fractions for example: 24 = 12 (or 24 = 14 + 14).Numerators and denominatorsCompare two fractions with different numerators (top numbers) and different denominators (bottom numbers) by changing one or both fractions so that they both have the same denominator. For example, in comparing 38 and 416, use visual fraction models to understand that 416 is the same as 28.Example:3/8 > 2/8 so 3/8 > 4/16Comparing numeratorsUnderstand that in comparing two fractions with the same denominator, the larger fraction is the one with the larger numerator.Multiply fraction by a whole numberSolve word problems involving multiplication of fractions by a whole number.Example:Many wants to make bows for six friends. Each bow requires \$8 of a yard of ribbon. How many yards of ribbon does Mary need?Fractions as decimalsWrite fractions with denominators of 10 or 100 as decimals.Example:Write 4/10 as 0.4Write 0.83 as 83/100Comparing fractions and decimalsCompare numbers written as fractions and numbers written as decimals, using the symbols > (greater than), = (equal to), and < (less than). Use visual models such as fraction bars or number lines to explain and justify the answer.Measurement & dataWord problemsSolve word problems involving addition, subtraction, multiplication, and division ofunits or intervals of time (seconds, minutes, hours)units of money (using decimal notation for example: .25, .05, \$2.35)units of mass (grams, kilograms)units of weight (ounces, pound)units of volume (milliliters, liters)units of distance/length (inches, feet, miles)Use a standard unit of measure to measure length, area, and volume. Estimate measurements using appropriate units. Compare measurements using appropriate units. Measure the perimeter and area of a shape. Measure the volume of a solid figure. Use appropriate units to measure length, area, and volume. Estimate measurements using appropriate units. Compare measurements using appropriate units.Ethan's GeometryPerimeterUnderstand perimeter as the measurement around something, and area as the measurement of the flat surface inside the perimeter of something. Find perimeter and area to solve real-world cost problems.Example:Juan wants to carpet his bedroom. His bedroom is two yards wide and five yards long. The carpeting costs \$7 per square yard. How much will Juans new carpet cost? Explain or illustrate how you solved this problem.Juan decides to put a decorative border high all the way around his room near the top of the walls. The border costs \$3 per yard. How much will the border cost? Explain or illustrate how you solved this problem.Tip: Use math in house projectsEncourage your child to use his math skills for projects around the house. If youre wallpapering or carpeting, for example, have him calculate wall or floor areas and figure out the total cost of various materials.Lines and anglesDraw and identify different types of lines and angles, including line segments, rays, parallel lines, perpendicular lines, and right angles. Use the presence or absence of these lines or angles to categorize or group (classify) two-dimensional shapes or figures such as rectangles, parallelograms, trapezoids, and triangles.Tip: Keep an eye out for math conceptsEncourage your child to spot examples of some of the math concepts he is learning about. See how many right angles or right triangles he can spot. Or have him look for parallel lines, such as train tracks or pillars in a building.Lines of symmetryUnderstand line of symmetry: a line across a two-dimensional figure such that the figure can be folded along the line into identical matching parts. Identify the most common symmetrical shapes: circles, squares, rectangles, ovals, equilateral triangles (three equal sides), isosceles triangles (two equal sides), hexagons, and octagons.For tips to help your fourth-grader in math class, check out our fourth grade math tips page.TODAY's Parenting Guides resources were developed by NBC News Learn with the help of subject-matter experts, and align with the Common Core State Standards.Parent Toolkit StaffPage 2Hoping to help your fourth-grader with math skills? Here are some basic tips that experts suggest.Encourage a positive attitude toward maths around fourth grade that your youngsters become discouraged by math and begin to think of it as a subject theyre just not good at. Be aware of this and try to prevent your child from developing a defeatist attitude toward math. Encourage them to stick with it when a problem appears difficult and to approach it in different ways.Read math problems out loudIf your child is struggling with math problems, have them read each problem out loud slowly and carefully, so your child can hear the problem and think about what is being asked. This helps them break down the problem and come up with problem-solving strategies.Integrate math into everyday activitiesContinue to find ways to integrate discussion of math concepts such as times as much into your everyday activities. Compare the weights of your fourth-grader and her siblings or the family pet. Figure out how many times your cats weight your child weighs, and how many times your childs weight their father weighs.Keep an eye out for math conceptsEncourage your child to spot examples of some of the math concepts they are learning about. See how many right angles or right triangles your child can spot. Or have them look for parallel lines, such as train tracks or pillars in a building.Highlight how math is used in cookingBaking and cooking are among the best ways to familiarize your fourth-grader with how fractions work. Having them help out in the kitchen also reinforces valuable sequencing skills and time management concepts.Practice math in the carWhen you have a long trip to take in the car and your child asks how long until you get there, have them answer the question themselves by using math. Tell them how fast youre traveling and how far away you are, and see if they can estimate how long it will take you to arrive.Use math in house projectsEncourage your child to use their math skills for projects around the house. If youre wallpapering or carpeting, for example, have them calculate wall or floor areas and figure out the total cost of various materials.Encourage math appreciation through sportsSports provide a fun and engaging way of exploring a host of mathematical concepts, starting with basic addition. The halves of a soccer game or the quarters of a football game offer a great opportunity to practice fractions and decimals. Encourage your child to keep track of scores and calculate percentages. You can also use sports to introduce concepts like probability and statistics. For example, you could ask your child to predict the outcome of a game and then discuss the results. Take your child to the library regularly. Use technology to encourage readingLearn how to use technology to help develop your fourth-graders growing interest in reading. There is a large selection of online books for children, many with interactive features such as animations or voice recording. You can also encourage their interest in reading by helping him find online sites about topics that interest him.Discuss what your child is readingAsk your child about the books they are reading, both in school and for fun. Try to ask probing questions that go beyond having them just relate the action in a book. Ask about the themes of what they are reading and encourage them to summarize what they are reading and discuss it with you.Set an example for good reading behaviorContinue to model good reading behavior by discussing what you are reading. If youve just read an interesting magazine article, tell your child what you learned from it.Foster effective arguingEncourage your child to learn to make a good argument. If your child wants the privilege to do something that they have not previously been allowed to do, have them present an argument for doing so. Make sure your child can back up the claims they are making. If your child says that all their friends are allowed to do something, ask them to substantiate that claim.Discuss the newsEngage your child in a discussion about the news stories you see on television or hear on the radio while you're in the car. Your child should be developing the skills that will make them an informed and discerning consumer of information. By discussing what is happening in the world, you can explain why certain issues are important and share your values with your child.Find reasons to writeReal writing can happen all the time, both inside and outside school. Help your child find useful reasons to write outside school: A letter of complaint about a broken video game, an invitation to a get-together, or a request for information about a sporting event. Make writing connected to real life and not just an exercise.Use a favorite storyMost children have a favorite story that they like to read over and over again, maybe about the day they were born or the time a special event took place. Encourage your fourth-grader to write this story down to make and to make a book about it. It could be illustrated with photos and could become a lasting family keepsake.Play vocabulary gamesMake a game out of broadening your childs vocabulary. Choose five unfamiliar new words for them to learn each week and see how often everyone in the family can use those words in everyday conversation. This will help improve your fourth-graders vocabulary, reading comprehension, and speaking skills.Play storytelling gamesA fun game to play in the car or home that can involve the whole family is what happens next. Everyone should name a different object and then one person begins telling a story using all of these words. The next person must continue the story, picking up from where the last person stopped, while using at least one of the named objects, and having the story make sense as it continues. The silliness of where the storyline goes, combined with the use of the imagination, is a fun way to practice important listening and thinking skills.To find out what your fourth-grader will be learning in English Language Arts class, check out our fourth grade English Language Arts tips page.TODAY's Parenting Guides resources were developed by NBC News Learn with the help of subject-matter experts, including Joyce Epstein, Director, Center on School, Family and Community Partnerships, Johns Hopkins University; Pamela Mason, Program Director/Lecturer on Education, Harvard Graduate School of Education; Denise Walston, Director of Mathematics, Council of the Great City Schools; Neil Duke, Professor, University of Michigan; Leanna Baker, Retired Math Teacher; Bon Crowder, Math Teacher and Blogger, MathFour.com; Robin Schwartz, VP, Association of Teachers of Math of NYC, and align with the Common Core State Standards.Page 3Want to help your fourth-grader develop their self-awareness skills? Here are some basic tips that experts suggest.Use many different words to describe your own emotions around your childFor example, instead of saying Im happy we all get to spend the weekend together try using a word like grateful or thankful or glad. Exposing your child to more words can help build their emotional vocabulary.Sean Slade, director of the Whole Child Initiative at the Association for Supervision and Curriculum Development, recommends also sharing the reasons behind your feelings. By explaining what makes you tick, you are modeling self-awareness and showing how other peoples actions can affect your moods.To help your child develop self-awareness, encourage him to get involved in school musicals or community playsMany schools and communities have opportunities for children this age to take part in acting, which builds on their self-awareness by letting them act out feelings. If your son isnt interested in performing himself, take him to watch actors in a local play or musical, or to the movies, and talk about how the actors knew which expressions to make in order to accurately portray the characters feelings. Use books or TV to point out emotions, especially complex emotions for your childFor example, take a moment to point out complex feelings and say your child why they



What math do fourth graders learn. What math do 4th graders do. What kind of math do they teach in 4th grade. What kind of math do fourth graders learn. What do 4th graders learn in math. What math should a 4th grader know. What math do they teach in 4th grade. Math for 3 and 4 grade.