



## Dear Family,

In Unit 4 of Math Expressions, your child will apply the skills he or she has learned about operations with whole numbers while solving real world problems involving addition, subtraction, multiplication, and division.

Your child will simplify and evaluate expressions. Parentheses will be introduced to show which operation should be done first. The symbols “=” and “≠” will be used to show whether numbers and expressions are equal.

Other topics of study in this unit include situation and solution equations for addition and subtraction, as well as multiplication and division. Your child will use situation equations to represent real world problems and solution equations to solve the problems. This method of representing a problem is particularly helpful when the problems contain greater numbers and students cannot solve mentally.

Your child will also solve multiplication and addition comparison problems and compare these types of problems identifying what is the same or different.

<b>Addition Comparison</b>	<b>Multiplication Comparison</b>
Angela is 14 years old. She is 4 years older than Damarcus. How old is Damarcus?	Shawn colored 5 pages in a coloring book. Anja colored 4 times as many pages as Shawn colored. How many pages did Anja color?

Students learn that in the addition problem they are adding 4, while in the multiplication problem, they are multiplying by 4.

Your child will apply this knowledge to solve word problems using all four operations and involving one or more steps.

Finally, your child will find factor pairs for whole numbers and generate and analyze numerical and geometric patterns.

If you have any questions or comments, please call or write to me.

Sincerely,  
Your child's teacher



This unit includes the Common Core Standards for Mathematical Content for Operations and Algebraic Thinking 4.OA.1, 4.OA.2, 4.OA.3, 4.OA.4, 4.OA.5, Number and Operations in Base Ten 4.NBT.4, 4.NBT.5, 4.NBT.6, Measurement and Data 4.MD.2, and all Mathematical Practices.