



LeRoy Elementary School

grade level expectations, mastery of basic facts

GRADES PK-6

	Non-negotiable	Non-negotiable	Non-negotiable	Non-negotiable	Non-negotiable	Activities to promote additional fact practice
PK	Rote count to 20	Connects numbers to quantities they represent up to 20 (1-1)	Quickly identifies the number of objects in sets of 4 or less (without counting)	Zero means "none" or "nothing"		Weekly Newsletter features a "Home Activity." Activities focus on counting, patterns, and sorting household items.
K	Decompose and compose numbers to 5	Recognition of number (10-20)				Weekly Newsletter provides an opportunity to highlight current math unit and specific ways to support your child at home. Monthly math journal as a spiral review
1	Fluently add & subtract numbers (1-10)	Recognition of number (0-120)				Explore at home with games. Second Quarter: Weekly addition homework sheets.
2	Know by memory all one digit basic facts to 20 (addition and subtraction)	Moby Max - During math fact station successfully complete assignments with an 80% or better	<i>Express strategies</i> used to solve basic facts orally <i>Express strategies</i> (Sally Tucker resource) used during <u>Number Talks</u>			Moby Max at home flashcards. Math games will be sent home after we host our Math Night.
3	<i>Maintain memory of all one digit basic facts to 20 (addition and subtraction)</i>	Telling time to the nearest minute	3 digit subtraction and addition	Fluently multiply and divide within 100	Understand fraction representation (unit fractions)	Weekly math facts Morning work -daily math Manipulatives - clocks & fraction bars

4	Fluently multiply and divide basic facts (0- 12)	Mastery of 2-4 digit multiply by a 1-digit whole number	Add and subtract multi-digit whole numbers (4 to 6 digits)	Focus on understanding fractions relating to half and whole		Number Talks Fast Fact Fridays (Homework) Computer stations - math concepts and fluency Game station - fluency and review concepts
5	<i>Maintain multiplication & division fluency (0-12)</i>	Addition & subtraction with regrouping (0-19)	Single digit divisor division	Conceptually understand fractions with like and unlike denominators (all operations)		Moby Max Math Assessments (timed for fluency) Number Talks Workshop experience with concrete, hands-on activities
6	<i>Maintain multiplication & division fluency (0-12)</i>	Recognition of perfect squares and square roots through 15.	Fluently complete operations with multi-digit whole numbers, decimals, and/or fractions			Number Talks Khan Academy Inequality/Equation assessment