

Fourth Grade Math

Updated April 2020

Course Description- Students will expand on basic multiplication facts by solving two digit by two digit multiplication and solve division problems with multi-digit dividends. Students will draw and classify various two-dimensional figures. Students will solve real world problems involving fractions and different forms of measurement.

Big Ideas

1. **Multiplication is a means of combining groups.**
2. **Division is used to distribute quantities as evenly as possible.**
3. **Fractions can be expressed and combined in various ways.**
- 4.. **Measurement can be used for a variety of purposes.**

ELO#	Essential Learner Outcome Description	Standard
1.	Multiply a whole number of up to four digits by a one-digit whole number and multiply two two-digit numbers, and justify the solution. (Using strategies based on place value and the properties of operations. Illustrate and explain by using equations, rectangular arrays, and/or area models.)	4.NBT.A.6
2.	Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, and justify the solution. (Using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain by using equations, rectangular arrays, and/or area models.)	4.NBT.A.7
3.	Solve problems involving adding and subtracting fractions and mixed numbers with like denominators.(e.g., by replacing each mixed number with an equivalent fraction.) Apply and extend previous understandings of multiplication to multiply a fraction by a whole number. (e.g., by using visual fraction models and equations to represent the problem.)	<u>4.NF.B.6</u> 4.NF.B.7
4.	Round multi-digit whole numbers to any place. Understand that in a multi-digit whole number, a digit represents 10 times what it would represent in the place to its right.	4.NBT.A.1 4.NBT.A.4
5.	Know relative sizes of measurement units within one system of units. (Convert measurements in a larger unit in terms of a smaller unit.) Use the four operations to solve problems involving distances, intervals of time, liquid volume, weight of objects and money.	<u>4.GM.C.6</u> 4.GM.C.7
6.	Draw and measure angles.	<u>4.GM.A.1</u>