



Unit 2 : Place Value & Decimals

5th grade

Unit 2 Summary :

Students will continue to develop proficiency with decimals and understanding why operational procedures ($=$, $-$, \times , $/$) and properties also apply to decimals. Students will build models for decimals with familiar manipulatives and apply understanding to decimals. They will further explore the relationship between fractions and decimals as well as decimals and whole numbers. They will apply these relationships to operations and properties with decimals to compute sums and differences of decimals efficiently and accurately.

Essential Skills:

- Model decimals with pictures, numbers, words and manipulatives.
- Recognize the relationship between decimals and fractions/whole numbers.
- Explain the relationship between decimals and fractions/whole numbers.
- Round decimals to given place values.
- Add/subtract decimals.

Unit Vocabulary :

addend, algorithm, commutative property, decimal, determine, difference, digit, efficient, estimate, expanded form, fraction, model, place value, point, portion, property, relationship, round, strategy, subtrahend, sum, value, whole number

Additional Resources :

- CR Elementary Math website : <http://www.teachers.cr.k12.de.us/~math/>
- Place Value Puzzler : <http://www.funbrain.com/tens/index.html>
- Gamequarium Decimal Games : <http://www.gamequarium.com/decimals.html>
- CoolMath – The Decimal Cruncher : <http://www.coolmath.com/prealgebra/02-decimals/decimals-cruncher-addition.html>
- Mr Nussbaum’s Decimal Games, Activities & Videos : <http://mrnussbaum.com/decimals/>

Place Value chart with decimals

PLACE VALUE										
	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
1,623,051 →	1	6	2	3	0	5	1			
0.053 →							0	0	5	3
32.4 →						3	2	4		