Grade 6 Unpacked Math Standards – Number Sense

6.N.1.1. Students are able to **represent** fractions in equivalent forms and **convert** between fractions, decimals, and percents using halves, fourths, tenths, hundredths.

Webb Level: 1
Bloom: Comprehension

Verbs Defined:
Represent: write
Convert: change

Key Terms Defined:
Equivalent forms: different ways to write the same number (fractions, decimals, percents, and words)
Decimals: a number that contains a decimal point (from millions to ten-thousandths)
Percents: a ratio that compares a number to 100

Teacher Speak:
Students are able to represent (write) fractions in equivalent forms and convert (change) between fractions, decimals, and percents using halves, fourths, tenths, hundredths.

Student Speak:
I can:
* write (represent) decimal and word forms using place values from billions to ten-thousandths.
*write (represent) fractions (halves, fourths, tenths, hundredths) in equivalent forms.
*change (convert) between fractions (halves, fourths, tenths and hundredths), decimals, and ratios that compare a number to 100 (percents).
*change improper fractions to mixed numbers
*change mixed numbers to improper fractions

6.N.1.2. Students are able to **find** factors and multiples of whole numbers.

Webb Level: 1
Bloom: Knowledge

Verbs Defined:
Find: determine

Key Terms Defined:
Factors: a whole number that divides another whole number without a remainder
Multiples: a product of two whole numbers
Whole numbers: counting numbers and zero (0, 1, 2, …)

Teacher Speak:
Students are able to find (determine) factors and multiples of whole numbers.

Student Speak:
I can:
*determine (find) the factors of a whole number (0, 1, 2, 3, …).
*determine (find) the multiples of a whole number (0, 1, 2, 3, …).
*determine (find) if a whole number (0, 1, 2, 3, …) is prime, composite, or neither.

6.N.2.1. Students are able to **add, subtract, multiply,** and **divide** decimals**.**

Webb level: 1
Bloom: Comprehension

Verbs Defined:

Key terms defined:

Teacher Speak:
Students are able to add, subtract, multiply, and divide decimals.

Student Speak:
I can:
*add decimals
*subtract decimals
*multiply decimals
*divide decimals

6.N.3.1. Students are able to **use** various strategies to **solve** one- and two-step problems involving positive decimals.

Webb level: 2
Bloom: Application

Verbs Defined:
Use: apply
Solve: find the solution to

Key Terms Defined:
Strategies: methods

- estimation,
- guess and check,

- make a table or organized list,
- work a simpler problem,
- look for a pattern,

One-step problems: one-operation problems
Two-step problems: two-operation problems
Positive decimals: decimals greater than zero

Teacher Speak:
Students are able to use (apply) various strategies to solve (find the solution to) one- and two-step problems involving positive decimals.

Student Speak:
I can:
*apply (use) estimation, guess and check, make a table or organized list, work a simpler problem, look for a pattern, (strategies) to find the solution for (solve) one-operation problems (one-step problems) involving positive decimals.
*apply (use) estimation, guess and check, make a table or organized list, work a simpler problem, look for a pattern, (strategies) to find the solution for (solve) two-operation problems (two-step problems) involving positive decimals.