N8: Demonstrate an understanding of multiplication and division of decimals (1 digit whole numbers multipliers and 1 digit natural number divisors.

**Estimating Products and Quotients……..**

Rounding

<http://studyjams.scholastic.com/studyjams/jams/math/decimals-percents/rounding-decimals.htm>

(Whole class intro)

Front-end estimation vs. Decimal benchmarks

<https://www.youtube.com/watch?v=B7XFhqJwweY>

<https://www.youtube.com/watch?v=GSgM9HMcxO0>

<https://www.khanacademy.org/math/cc-fifth-grade-math/multiplication-and-division/cc-5th-dividing-decimals/v/approximating-dividing-by-decimals>

Math Makes Sense

Read connect on p.90 very carefully. Understand the difference between front-end estimation and decimal benchmarks (rounding).

p.94 - 1,2,3,5,6

***Word Problem*** (located in file folder). Prepare and explanation to present to a teacher in a language of your choice.

**Multiplying Decimals**

**Videos**

\*\*\*\*watch video in pick-up box called “Multiplying Decimals”\*\*\*\* Using base ten blocks

<https://www.khanacademy.org/math/algebra-basics/basic-alg-foundations/alg-basics-operations-with-decimals/v/multiplying-decimals>

<https://www.youtube.com/watch?v=Gl-3BrwpawA>

**On-line games**

[**https://www.education.com/game/beaker-transport/**](https://www.education.com/game/beaker-transport/)

[**http://www.math-play.com/Multiplying-Decimals-Basketball-Game/Multiplying-Decimals-Basketball-Game\_html5.html**](http://www.math-play.com/Multiplying-Decimals-Basketball-Game/Multiplying-Decimals-Basketball-Game_html5.html)

**Math Makes Sense**

Read p.96

Do questions on p.97-98 # 1,2,3,4,5,7,11,12

Do questions on p.101 -102 # 1,3,4,7

**Dividing Decimals**

**Videos**

<https://www.youtube.com/watch?v=tuvwyrIbQ6Q>

\*\*\*\*watch video in pick-up box called “Dividing Decimals”\*\*\*\* Using base 10 blocks

**\*\*\*\*watch video in pick-up box called “Dividing using repeated subtraction”\*\*\*\***

[**https://www.youtube.com/watch?v=bosixfBHikg**](https://www.youtube.com/watch?v=bosixfBHikg)

**Math Makes Sense**

Read p. 104-105

Complete Questions on p.106 # 1,2,3,5,7,11,13

***Word Problem*** (located in the file folder). Prepare an explanation to present to a teacher in a language of your choice.

* **When all work is complete it is time for the “Work Through Assignment”.**
* **N8 Unit Test**

**Extension…. Bonus….**

**In groups of 1 or 2 students make your own video with base ten blocks. You can use one of the class Ipod or Ipad. One multiplication and one division video**