**Unit 5 : Multiplying & Dividing Decimals**



5th grade

***Unit Summary :***

In this unit students will continue to build upon their understanding of decimals, decimal place value and estimating with decimals. Students will develop an understanding of the relationship of multiplication and division as it applies to decimals. They will deepen their understanding of operations and procedures as they apply multiplication and division to compute products and quotients of decimals to hundredths efficiently and with proficiency.

***Unit Vocabulary :***

area, average. compare, cubed, decimal, difference, dimensions, dividend, division, divisor, estimate, exponent, factor, fraction, hundredths, increase, model, pattern, place value, power, product, quotient, represent, squared, tenths, thousandths, value, whole number

***Essential Skills:***

* Read, write and compare decimals.
* Apply and explain powers of ten.
* Add, subtract, multiply and divide decimals using efficient strategies.

***Websites to Check out :***

* [*http://www.math-play.com/multiplying-decimals-game.html*](http://www.math-play.com/multiplying-decimals-game.html)
* [*http://www.decimalsquares.com/dsGames/games/speedway.html*](http://www.decimalsquares.com/dsGames/games/speedway.html)
* [*http://www.funbrain.com/football/*](http://www.funbrain.com/football/)
* [*http://www.coolmath-games.com/decimals-cruncher/decimals-cruncher-division.htm*](http://www.coolmath-games.com/decimals-cruncher/decimals-cruncher-division.htm)
* [*http://cemc2.math.uwaterloo.ca/mathfrog/english/kidz/decMulti6.shtml*](http://cemc2.math.uwaterloo.ca/mathfrog/english/kidz/decMulti6.shtml)
* [*http://www.mathplayground.com/howto\_dividedecimalspower10.html*](http://www.mathplayground.com/howto_dividedecimalspower10.html)
* [*http://www.bbc.co.uk/schools/ks3bitesize/maths/number/decimals/revise1.shtml*](http://www.bbc.co.uk/schools/ks3bitesize/maths/number/decimals/revise1.shtml)
* [*http://www.quia.com/cb/95593.html*](http://www.quia.com/cb/95593.html)
* [*http://www.quia.com/cb/147595.html*](http://www.quia.com/cb/147595.html)

**Strategies for Multiplying and Dividing Decimals**

**Area Model for Multiplication**



**Fair Share or Grouping in Division**

***2.4 ÷ 4 = 0.6***

