

Fifth Grade Unit 2- Whole Number Place Value and Operations

In this unit students will:

- Understand the relationship between the places in multidigit numbers.
- Use whole-number exponents to denote powers of 10.
- Multiply whole numbers by powers of 10; explain the number of zeros in the product.
- Fluently multiply multidigit whole numbers using the standard algorithm.
- Model real-world and mathematical situations using simple expressions.
- Convert among measurement units within the same system.
- Use measurement conversions to solve multi-step, real-world problems.
- Divide multidigit whole numbers.
- Illustrate and explain solutions to division problems.

Ideas for Home:

- Ask your child to read numbers you encounter in daily life. They should try to identify digits in the various places- ten-thousands, thousands, hundreds, tens and ones.
- **Building Skills through Games**
Many of the games can be played at home with a regular deck of playing cards by simply removing the face cards and having the ace represent 1.
 1. Division Top-It: Larger Numbers
 2. Multiplication Bull's Eye: Two players need number cards 0-9 (4 of each) and a 6-sided die. Multiplication Bull's Eye provides practice estimating products of 2- and 3-digit numbers.
 3. Multiplication Top-It: Larger Numbers
 4. Power Up :Two players need two 6-sided dice. Power Up provides practice converting from exponential notation to standard notation and helps students notice patterns with powers of 10

Please note: The activities above are not homework. They are suggestions for supporting learning at home. Please consult with your child's teacher for homework and specific suggestions related to your child's needs.

Websites:

- 1.) <http://www.sheppardsoftware.com/math.htm>
- 2.) <https://www.ixl.com/math/grade-5>
- 3.) <https://www.turtlediary.com/games/fifth-grade.html>
- 4) <https://cainc.i-ready.com>



