5th Grade Math

Dear Parents/Families,

In your student's math class, the upcoming course of study deals with Whole Number Computation & Application. Your child will be focusing on extending previous skills of multiplication and division to multi-digit numbers.

In fourth grade, students multiplied (4-digit by 1-digit and 2-digit by 2-digit) and divided (4-digit by 1-digit) using strategies based on place value and properties of operations.

By the end of this course of study, the following statements describe what your student will be able to do:

- I can recognize that in multi-digit whole numbers, a digit in one place represents ten times what it represents in the place to its right. 4.NBT.1 ***Review Skill
- I can multiply multi-digit number. 5.NBT.5
- I can divide four-digit dividends by two-digit divisors. 5.NBT.6

Next year in sixth grade, students will work with algebraic expressions, and read, write, and evaluate more complex expressions using variables.

Vocabulary terms important to this course of study:
Expressions, parentheses, brackets, braces, dividend, divisor, quotient, remainder, array, area model, equation

Additionally, the back of this paper has the IXL standards that can be practiced at home that correlate with this cluster.

If you have any questions about this new topic of study, please don't hesitate to contact a grade level teacher or our math coach. Thank you!

Sincerely,

Miss Owen, Mrs. Reilley and Mrs. Rogers

5th Grade Math

Whole Number Computation Cluster

4.NBT.1

- Place values (Fourth grade - A.1)
- Convert between place values (Fourth grade - A.2)

5.NBT.5

- Multiply by 2-digit numbers: complete the missing steps (Fifth grade - C.12)
- Multiply 2-digit numbers by 2-digit numbers (Fifth grade - C.13)
- Multiply 2-digit numbers by 3-digit numbers (Fifth grade - C.14)
- Multiply 2-digit numbers by larger numbers (Fifth grade - C.15)
- Multiply by 2-digit numbers: word problems (Fifth grade - C.16)
- Multiply three or more numbers up to 2 digits each (Fifth grade - C.17)
- Multiply by 3-digit numbers (Fifth grade - C.18)
- Multiply three numbers up to 3 digits each (Fifth grade - C.19)
- Multiply three or more numbers: word problems (Fifth grade - C.20)

5.NBT.6

- Properties of multiplication (Fifth grade - C.6)
- Division facts to 12 (Fifth grade - D.1)
- Division facts to 12: word problems (Fifth grade - D.2)
- Divide multi-digit numbers by 1-digit numbers (Fifth grade - D.3)
- Divide multi-digit numbers by 1-digit numbers: word problems (Fifth grade - D.4)
- Divide numbers ending in zeroes (Fifth grade - D.8)
- Divide numbers ending in zeroes: word problems (Fifth grade - D.9)
- Divide 2-digit and 3-digit numbers by 2-digit numbers (Fifth grade - D.10)
- Divide 2-digit and 3-digit numbers by 2-digit numbers: word problems (Fifth grade - D.11)
- Divide larger numbers by 2-digit numbers (Fifth grade - D.12)
- Divide larger numbers by 2-digit numbers: word problems (Fifth grade - D.13)
- Choose numbers with a particular quotient (Fifth grade - D.16)