

## **Quarter 2 Math Benchmark-4<sup>th</sup> Grade---Benchmark Test Date: Wednesday, 12/11**

\*\*\*The Georgia Standards of Excellence 4<sup>th</sup> Grade Math curriculum overview: (pages 6-21)

<https://www.georgiastandards.org/Georgia-Standards/Frameworks/4th-Math-Grade-Level-Overview.pdf>

\*\*\*All study guides and parent letters from quarters 1 & 2 are posted on Buford Academy's 4<sup>th</sup> Grade Math website: <http://4thgradewolves.weebly.com/>

- **Place Value**

(Standard form, expanded form, word form, comparing numbers)

- Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form. Compare two multi-digit numbers based on meanings of the digits in each place, using  $>$ ,  $=$ , and  $<$  symbols to record the results of comparisons.
- Use place value understanding to round multi-digit whole numbers to any place.

- **Addition and Subtraction**

- Fluently add and subtract multi-digit whole numbers using the standard algorithm.

- **Multiplication & Division**

- Interpret a multiplication equation as a comparison e.g., interpret  $35 = 5 \times 7$  as a statement that 35 is 5 times as many as 7 and 7 times as many as 5.
- Prime and composite numbers
- Factors and multiples
- Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.
- Multiply or divide to solve word problems involving multiplicative comparison. Use drawings and equations with a symbol or letter for the unknown number to represent the problem, distinguishing multiplicative comparison from additive comparison.
- Find whole-number quotients and remainders with up to two-digit dividends and one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models. Students do NOT use the division standard algorithm. Strategies: area model, partial quotients, distributive property

- **Problem Solving**

- Solve multistep word problems with whole numbers and having whole number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a symbol or letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.

**IXL Review lesson for EQA for Quarter 2** Student log in: Username first initial last name @bufordacademy\_\_\_\_Password 312 #

A-17 or 18 Prime and Composite

A-19 Rounding to 100,000

A 21 Rounding input output table

B-2 and 3 Add numbers up to 1 million

C-2 and 3 Subtract numbers up to one million

D-5 Identify Factors

D 16 Multiply a 1x3 or 4 digit number

D-18 Multiply a 2digit number by a 2digit number

D-19 Multiply a 2 digit number by a 2 digit number word problems

D 23 Estimate Products

D-35 Multiply numbers ending in zeros

D-36 Multiply numbers ending in zeros-word problems

D-41 Multiplication Input output, find the rule

E-4 Division Facts word problems

E-6 Divide 2 digit numbers by 1 digit numbers

E-7 Divide 2 digit numbers by 1 digit numbers word problems

E-11 Divide a larger number by a one digit number-word problems

E-16 Divide numbers ending in zeros

F-3 Addition, Subtraction, Multiplication and Division word problems

L-5 Create a pattern

L-6 What is true about the pattern

L-7 Use a rule to complete a number pattern

L-8 Increasing number patterns

L 10 Number Pattern Word Problems