

# Unit 1: Number System Fluency Standards, Checklist and Concept Map

Name: \_\_\_\_\_

## **Georgia Standards of Excellence (GSE):**

**MGSE6.NS.2:** Fluently divide multi-digit numbers using the standard algorithm.

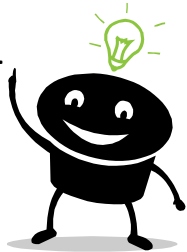
**MGSE6.NS.3:** Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation.

**MGSE6.NS.1:** Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions, e.g., by using visual fraction models and equations to represent the problem. *For example, create a story context for  $(2/3) \div (3/4) = 8/9$  because  $3/4$  of  $8/9$  is  $2/3$ . (In general,  $(a/b) \div (c/d) = ad/bc$ .) How much chocolate will each person get if 3 people share  $1/2$  lb of chocolate equally? How many  $3/4$ -cup servings are in  $2/3$  cup of yogurt? How wide is a rectangular strip of land with length  $3/4$  mi and area  $1/2$  square mi?*

**MGSE6.NS.4 :** Find the greatest common factor of two whole numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 12. Use the distributive property to express the sum of two whole numbers 1-100 with a common factor as a multiple of a sum of two whole numbers with no common factor. *For example, express  $36 + 8$  as  $4(9 + 2)$ .*

.....  
**What Will I Need to Learn??** Mark a check next to each concept as you master them.

- |   |   |
|---|---|
| _____ How to do long division   | _____ How to divide fractions                     |
| _____ How to add decimals   | _____ To use a picture to represent division      |
| _____ How to subtract decimals  | _____ To interpret & solve division word problems |
| _____ How to multiply decimals  | _____ To find the GCF of 2 numbers $\leq 100$     |
| _____ How to divide decimals  | _____ To find the LCM of 2 numbers $\leq 12$      |
| _____ How to use the distributive property to show the sum of two numbers |   |



.....  
**Unit 1 Concept Map:** On the left page, make a concept map of the standards listed above. Underline the verbs and circle the nouns they modify. Then, place those verbs on the connector lines of your concept map, and the nouns in the bubbles of the concept map.

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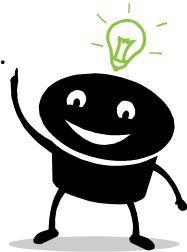
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