Unit Map 2012-2013

Monroe #2 - Orleans BOCES (Regional Collaboration)

Collaboration / Math 3* / Grade 3 (Math Regional Curriculum)

Wednesday, September 26, 2012, 2:28PM

Standard/Module: Proficiency in multiplication and division 3.OA.1 (Week 1, 18 Weeks)

Stage 1: Desired Results

Standards Focus

- Major (70%) connects with 3.OA.2-7, 3.NBT.3

Grade 3 Proficiency Maps.docx

Standards

NYS: CCLS:Mathematics, NYS: 3rd Grade , Operations & Algebraic Thinking
3.OA Represent and solve problems involving multiplication and division.

- 1. Interpret products of whole numbers, e.g., interpret 5 × 7 as the total number of objects in 5 groups of 7 objects each.

Enduring Understandings	Essential Questions
1. A product can be represented as a total number of objects in equal groups.	How would you represent the total product when multiplying two whole numbers?

Critical Content

-Products of whole numbers

-Total number of objects in equal groups (ie. 5 X 7 is 5 equal groups of 7)

Skills	Vocabulary
Interpret products of whole numbers	Tier 2: product, multiply, expression, interpret Tier 3: whole numbers

Stage 2: Assessment Evidence

Assessments

Interpreting Products
Formative: Test: Written

Students write a multiplication problem for a given picture, and students draw a picture for a given multiplication problem that is posed.

Stage 3: Learning Plan

Learning Activities	Resources
Students work on building arrays and building equal groups with a given number of objects.	www.illuminations.nctm.org www.illustrativemathematics.org

Differentiation Opportunities

Student use graph paper (CM or 1 inch) to draw the arrays that they build with square tiles. This provides an opportunity for students to document their findings. If the technology is available, take digital photos of the arrays, and post them around the classroom on poster paper organized by product. For example, a poster might have the number 12 at the top, and pictures of all arrays that are possible with 12 square tiles. This provides a visual for students to revisit.

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