Lesson Plan

Teacher:	**Class/Group:**	**Date:**
KNPIG ID #: M 4444.3 (Composite Cookie Company)	**Task Group Name:** Composite Cookie Company	
AVMR Strand: Multiplication & Division	**AVMR Construct Level/Color:** 2 to 3 Green	

Fluency Benchmark for RTI:
3.OA.7 Fluently multiply and divide within 100, using strategies such as the relationship between multiplication and division (e.g., knowing that 8 x 5 = 40, one knows 40 / 5 = 8) or properties of operations. By the end of Grade 3, know from memory all products.

KAS(s):	**KAS Domain and Cluster:**
1) 3.OA.2 Interpret whole-number quotients of whole numbers, e.g., interpret 56 / 8 as the number of objects in each share when 56 objects are partitioned equally into 8 shares, or as a number of shares when 56 objects are partitioned into equal shares of 8 objects each. For example, describe a context in which a number of shares or a number of groups can be expressed as 56 / 8. **2)** 2.NBT.2 Count within 1000; skip-count by 5s, 10s, and 100s. **3)** 3.OA.1 Interpret products of whole numbers, e.g., interpret 5 x 7 as the total number of objects in 5 groups of 7 objects each. For example, describe a context in which a total number of objects can be expressed as 5 x 7.	Operations and Algebraic Thinking , Number & Operations in Base Ten **1)** Represent and solve problems involving multiplication and division. **2)** Understand place value.

Learning Target: I can count groups of items that are hidden.

Setting/Materials:
package cards, task cards, recording sheet (paper plates or small containers can be used instead of package cards)

Activity:
Students will be pretending to complete customer orders for the Composite Cookie Company. They will draw a task card and follow the directions on the card to either group or share items. As students "package" the orders, they will record orders and totals on a recording sheet.

Evidence of Learning (Diagnostic Assessment of Progress):
Show students 4 package cards of 4 empty containers and ask them to tell how many cookies there would be altogether if you put 5 cookies in each package. Ask them how they found the total. Likewise, show students 4 package cards and ask them how they could share 12 cookies equally in the packages.

Teacher Notes:
Listen carefully for student counting strategies; are students counting by ones or are they stress counting or skip counting?

Printables Link: http://knp.kentuckymathematics.org/knp/uploads/printables_4444.3M.pdf
Student Instructions Link:

M4444.3