

## **Circles and Stars- Introduction to Multiplication**

**Author:** Ashley Hahn

**Time:** 30 minutes

**Grade Level:** Elementary- Second Grade Math

**Goals:** I want to introduce the students to multiplication.  
I want students to learn to write addition and multiplication sentences.  
I also want students to recognize how addition and multiplication relate.  
After the lesson I want my students to have a better understanding of multiplication and have the drive to complete this activity on their own.

**Objectives:** Students will demonstrate the ability to compare addition and multiplication.

**NAEYC Standards:** Standard 1-Promoting child development and learning.  
(Knowledge of learners/Diversity)  
Standard 3-Observing, documenting, assessing to support young children  
(Knowledge of educational goals and assessment/Collaboration)  
Standard 4-Teaching and Learning  
a. connecting with children (knowledge of social context)  
b. using developmentally effective approaches  
c. understanding content knowledge in early education  
(knowledge of subject matter)  
d. building meaningful curriculum (knowledge of curriculum)  
Standard 5- Becoming a professional (reflective practitioners/research and inquiry)

**Materials:** -chart paper (2-3 sheets for teacher's use)  
-markers (one for each student)  
-dice (one for each student)  
-paper (enough for class plus extra)  
-worksheet/Assessment (one for each child)

**Procedure:**

1. As a whole group ask the question "what is multiplication?" and record the students' responses on chart paper.
2. Ask for one volunteer.
3. Have volunteer roll a die. (Example child rolls a five)
4. Draw that many circles. (Example five circles)
5. Have a second volunteer roll a die. (example child rolls a 3)
6. Draw that many stars in each circle. (Example 3 stars in 5 circles)
7. Write an addition sentence. (Example  $3+3+3+3=15$ )