

Families & Households Art & Math Lesson Plan



Grade 3

Core Concept/Art-Math integration

Objective: Students will be able to write multiplication story problems using an illustrated picture of families or households.

3 Grade Core Curriculum Mathematics Operations & Algebraic Thinking Standard 3

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

Core Curriculum Visual Arts: Contextualizing Standard 4

The student will interpret and apply visual arts in relation to cultures, history, and all learning. In this standard the student will place their artwork and the artworks of others within the context of civilization, other areas of learning, and life skills.

Objective 3: Make connections between dance and other disciplines.

- a. Create a movement project from an idea from one of the arts.

Materials:

Drawing paper for each student
Crayons or markers

Procedures:

1. Pass out papers to students. Have each child draw a detailed picture of families or households with crayons or markers. Encourage students to take time and not to rush.
2. When finished, have students identify things in the picture that are in equal groups (eyes, ears, fingers, toes, joints, etc.)
3. Have the students write multiplication equations from their pictures. (5 people with 2 ears each equals 10 ears. $5 \times 2 = 10$)
4. Have each student focus on one attribute in their family. Have each student write a story problem on the back of the picture. Have different students share their story problems with the class.

Adaptations:

Use other pictures with people to make multiplication problems. Use real photographs or paintings.

Younger students: Write basic addition problems.

Older students: Write problems with fractions or ratios.