

# Multiplication & Division

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## Core Standards

3<sup>rd</sup> Grade Math Strand: Operations and Algebraic Thinking (3.OA): Represent and solve problems involving multiplication and division within 100 (Standards 3.OA.1–4 and Standard 3.OA.7). They demonstrate understanding of the properties of multiplication and the relationship between multiplication and division (Standards 3.OA.5–6).

Dance Strand: Perform: Standard 3.D.P.1: Cooperate with a partner or other dancers to safely change levels, directions, and pathway designs in near-, mid-, and far-range movement.

## Student Learning Objective

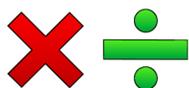
This lesson will help 3<sup>rd</sup> grade students understand that multiplication means to add groups and division means to take away groups. They will learn that if the groups are not equal they will end up with a remainder. They will learn this by demonstrating particular movements that go with each number from 1-10; and each movement has to be done with the correct number of students so they can see the groups getting bigger and smaller.

## Introduction

Have the students dance the following movements when you call out the following numbers. See the visuals that accompany this lesson for further understanding of each movement.

- #0. Fall down alone
- #1. Run alone
- #2. Elbow swing with one partner
- #3. W hand hold with 3 people
- #4. Right or left hand star with 4 people
- #5. Football huddle with 5 people
- #6. Front basket with 6 people
- #7. Hold hands and walk in a line with 7 people
- #8. Texas star with 8 people
- #9. Make a train by holding the shoulders of the person in front of you with 9 people
- #10. Hold hands in a circle and walk around with 10 people
- #11 PLUS. Hold hands in a circle and walk around with \_\_\_\_ people

Review the above numbers, groupings and movements in mixed up orders to make sure the students know them well. I put visuals on my wall to help them remember. Also note that you will get remainders! Tell the students that the remainders are the “left overs”. I have the “remainders” either make a still shape or just dance in the middle of the room or gym. As you continue on with the lesson below, having the students dance the answers to multiplication or division problems, the remainders can get stuck there until the answer is 0 or 1 again.



**MULTIPLICATION**  
**DIVISION**



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