



## Family Math Engagement Grab & Go: Understanding Multiplication

This activity would be best used by:

Schools  Families

### Materials:

- objects to group, examples include legos, pennies, marbles, small toys, etc.

### Steps:

1. Ask the child to make three groups of two objects. For example, make three groups of three pennies.



2. Count by the number in the group. For example,



2

4

6

3. Write an addition sentence to represent the picture. For example,  $2 + 2 + 2 = 6$ .
4. Write a multiplication fact to represent the picture and tell how you know this fact. For example,  $2 \times 3 = 6$  because I have two things in three groups.
5. Write another fact to represent the picture and tell how you know this fact. For example,  $3 \times 2 = 6$  because I have three groups of two things.

### Lagniappe:

- By the end of grade 3, students should know all products of one-digit numbers from memory. This activity helps them to reason out the answer when they get stuck on a particular fact.
- As children become proficient with all facts with numbers 1-9, use this activity to practice with bigger numbers.
- Children who are ready can practice with flash cards. See Upper Elementary Grab & Go: Multiplication Practice.

