

Dear Family,

During the next few weeks, our math class will be learning how to multiply with the factors 2, 3, 4, 5, 6, 7, 8, 9, and 10.

You can expect to see homework that provides practice with multiplication facts and strategies.

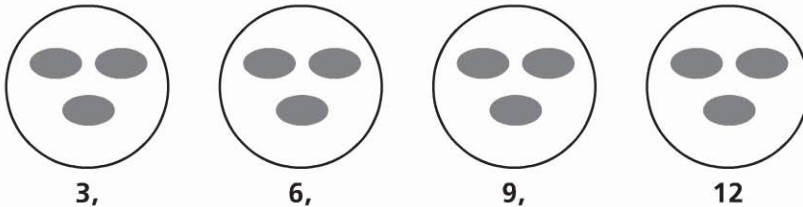
Here is a sample of how your child will be taught to multiply with 3 as a factor.

### **MODEL** Multiply with 3

This is one way we will be multiplying with 3 to solve problems.

Teddy made a face on 1 cookie, using 3 raisins. How many raisins will he need for 4 cookies?

Drawing a picture is a way to solve this problem.



Skip count by 3s to find the number of raisins in all.

3, 6, 9, 12

4 groups of 3 is 12.       $4 \times 3 = 12$

So, he will need 12 raisins for 4 cookies.

### Activity

Have your child draw more groups of 3 for 5, 6, 7, 8, and 9 cookies. Then have your child answer questions such as "How many raisins would be on 8 cookies? What do you multiply to find out?"

### Vocabulary

**Associative Property of Multiplication** The property that states that when the grouping of factors is changed, the product remains the same.

**Distributive Property** The property that states that multiplying a sum by a number is the same as multiplying each addend by the number and then adding the products.

**multiple** A number that is the product of two counting numbers

### Tips

#### Another Way to Solve Multiplication Problems

Making an array is another way to solve the problem. Use tiles to make an array of 4 rows with 3 tiles in each row.



Count all the tiles.

4 groups of 3 is 12.

$4 \times 3 = 12$