

Chapter
5

**School-Home
Letter**

Dear Family,

Throughout the next few weeks, our math class will be working with factors, multiples, and patterns.

The students will study and learn to find factors and multiples and work with number patterns.

Here is a sample of how your child will be taught.

Vocabulary

common factor A number that is a factor of two or more numbers

common multiple A number that is a multiple of two or more numbers

divisible A number is divisible by another number if the quotient is a counting number and the remainder is zero.

composite number A whole number greater than 1 that has more than two factors

prime number A number that has exactly two factors: 1 and itself

MODEL Find Factor Pairs

Use division to find all the factor pairs for 36. Divisibility rules can help.

Factors of 36	
$36 \div 1 = 36$	1, 36
$36 \div 2 = 18$	2, 18
$36 \div 3 = 12$	3, 12
$36 \div 6 = 6$	6, 6
$36 \div 9 = 4$	9, 4

Divisibility Rules
Every whole number is divisible by 1.
The number is even. It's divisible by 2.
The sum of the digits is divisible by 3.
The number is even, and divisible by 3.
The sum of the digits is divisible by 9.

Tips

Divisibility

A whole number is divisible by another whole number when the quotient is a whole number and the remainder is 0.

Activity

Using the divisibility rules, have your child find all the factor pairs for these numbers:

18, 48, 39, 63