

## Unit 5

# Family Letter

Florida Reveal  
**MATH**<sup>®</sup>

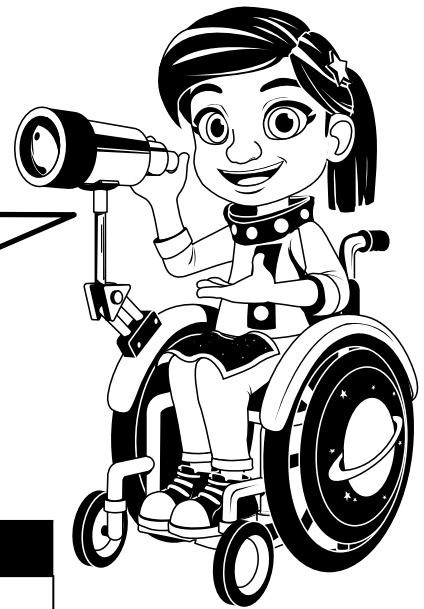
Dear Family,

In this unit, *Numbers and Number Patterns*, your child will find factor pairs of whole numbers and identify numbers as prime or composite. Your child will also generate a pattern from a rule and describe and extend a pattern.

### STEM Career Kid for this Unit

**Hi, I'm Haley.**

I want to be an astronomer. I will use math in my job when I study space. I'll show students how I will use the math of this unit in my work.



### What math terms will your child use?

Term	Student Understanding
composite number	a whole number that has more than 1 factor pair
factor pair	a set of two factors that are multiplied together to get a product
pattern rule	the rule tells us how to find the next term in the sequence
prime number	a whole number with exactly two factors, 1 and itself
sequence	numbers that follow a repeated pattern
numerical pattern	a sequence of numbers that follow a rule.



### What can your child do at home?

You can help your child practice finding factor pairs of a number. Use two playing cards to create a two-digit number and then have them list all of the factor pairs of that number.

# What Will Students Learn in This Unit?

## Prime and Composite Numbers

Your child will learn that a composite number is a whole number that has more than two factors and a prime number is a whole number that has exactly two factors, 1 and itself.

*Example:*

The factor pair of 17 is 1 and 17. 17 is a prime number.

The factor pairs of 28 are 1 and 28, 2 and 14, and 4 and 7. 28 is a composite number.

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## Finding the Factors of a Number

Your child will learn that they can use division patterns to determine factor pairs of a number.

*Example:*

Divisibility rules can help you determine the factor pairs of 18.

A number is divisible by 2 if it is an even number. *18 is an even number.*

$$18 \div 2 = 9$$

A number is divisible by 3 when the sum of the digits is divisible by 3.  $1 + 8 = 9$

$$18 \div 3 = 6$$

The factors pairs of 18 are 1 and 18, 2 and 9, 3 and 6.

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## Generate a Pattern

Your child will use a given rule to grow a numerical pattern.

*Example:*

Rule: Start with 5, add 7.

The first five terms are: 5, 12, 19, 26, 33.

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## Describe and Extend a Pattern

Your child will analyze a numerical pattern to determine the rule and then find the next few terms.

*Example:*

50, 44, 38, 32, 26

Since the difference between each term is  $-6$ , the rule is start at 50 and subtract 6.

$$26 - 6 = 20, 20 - 6 = 14, 14 - 6 = 8, 8 - 6 = 2$$

The next four terms would be: 20, 14, 8, 2.