

# Understand Place Value



Dear Family,

This week your child is exploring place value in numbers.

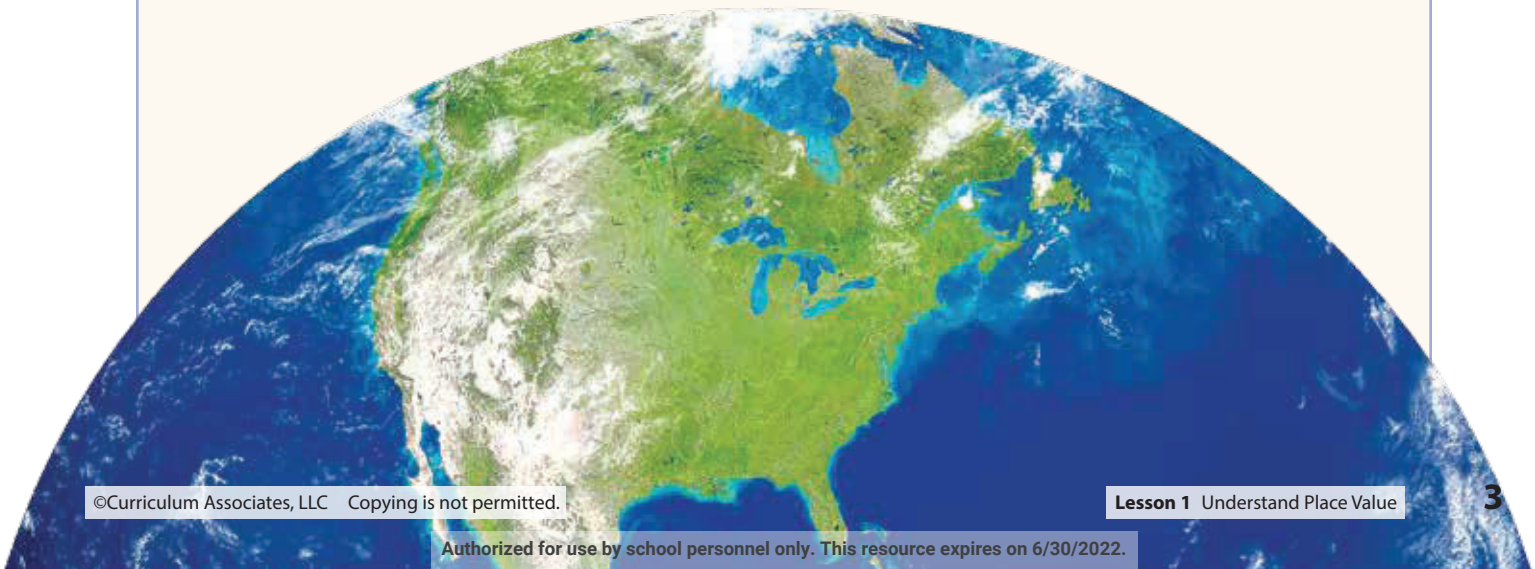
Our number system is based on a pattern of tens. The value of a digit in a number is based on the place where the digit appears in the number.

A digit in one place has 10 times the value that the same digit would have in the place to its right.

Thousands Period			Ones Period		
Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
7	4	2	5	5	9

This number in <b>standard form:</b>	742,559
This number in <b>word form:</b>	Seven hundred forty-two thousand, five hundred fifty-nine
This number in <b>expanded form:</b>	$700,000 + 40,000 + 2,000 + 500 + 50 + 9$

Invite your child to share what he or she knows about place value by doing the following activity together.



## ACTIVITY PLACE VALUE

Do this activity with your child to explore place value.

The distance from Earth to the moon is about 238,855 miles.

This number in standard form: 238,855.

This number in word form: two hundred thirty-eight thousand, eight hundred fifty-five.

- Write the number 238,855 on a sheet of paper. Show your child the number and have your child read the number aloud in word form (two hundred thirty-eight thousand, eight hundred fifty-five).
- Cover the standard form of the number so that your child cannot see it. Read the number aloud (in word form) and have your child write the number in standard form.
- Now have your child write a six-digit number in standard form without showing you the number. Then have your child tell you the number in word form while you write it in standard form.
- Compare the number you wrote with the number your child wrote.
- Repeat this activity several times, alternating between you and your child giving the six-digit number.

