

Name _____

Understand Place Value

Topic 1 Standards

5.NBT.A.1, 5.NBT.A.2, 5.NBT.A.3a, 5.NBT.A.3b, 5.NBT.A.4

See the front of the Student's Edition for complete standards.

Dear Family,

Your child is learning about place value—the idea that the value of a digit depends on its place in a number—for whole numbers to hundred millions and decimals to thousandths.

He or she is learning that a digit in any place has 10 times the value it would have in the place to its right and $\frac{1}{10}$ the value it would have in the place to its left. For example, in the number 105,558, the value of the 5 in the hundreds place is $\frac{1}{10}$ the value of the 5 in the thousands place and 10 times the value of the 5 in the tens place. Your student will also learn to use whole-number exponents to write powers of 10.

You can expect to see work that provides practice in place value with whole numbers and decimals. Here is an activity you can do with your child.

Place the Digit

Materials Number cards for 0–9, paper and pencil

Step 1 Mix and place the cards face down. Your child picks the top card while you name a place from ones to millions.

Step 2 Have your child write a number that includes the digit on the card in the place you named. Alternate roles and repeat until all the cards have been used. Increase the difficulty of the game by including the digit on the card in two or more places in a single number.

Observe Your Child

Focus on Mathematical Practice 6

Attend to precision.

Help your child become proficient with Mathematical Practice 6. For the new numbers that are written, ask your child to name the place value of each digit.