

Really Good Stuff® Activity Guide

Slide and Learn™ Place Value - Intermediate

This Really Good Stuff® product includes:

- 12 Slide and Learn™ Place Value - Intermediate
- This Really Good Stuff® Activity Guide

Congratulations on your purchase of the Really Good Stuff® **Slide and Learn™ Place Value - Intermediate**—an interactive manipulative tool to practice place-value skills and to round multi-digit numbers through the millions place.

Meeting Common Core State Standards

This Really Good Stuff® **Slide and Learn™ Place Value - Intermediate** is aligned with the following Common Core State Standards for Mathematics:

Number and Operations in Base Ten

- 3.NBT.A.1** Use place value understanding to round whole numbers to the nearest 10 or 100.
- 4.NBT.A.2** Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form. Compare two multi-digit numbers based on meanings of the digits in each place, using $>$, $=$, and $<$ symbols to record the results of comparisons.
- 4.NBT.A.3** Use place value understanding to round multi-digit whole numbers to any place.
- 5.NBT.A.1** Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and $1/10$ of what it represents in the place to its left.

Preparing the Slide and Learn™ Place Value - Intermediate

Before introducing the **Slide and Learn™ Place Value - Intermediate** set, make copies of this Really Good Stuff® Activity Guide, and file the pages for future use. Or, download another copy of it from our Web site at www.reallygoodstuff.com. Store the **Slide and Learn™ Place Value** set where students can access one easily. Copy the **Place Value Slide and Learn Number Cards Reproducibles** onto cardstock, and laminate them for durability. Cut them apart. Choose a location to store the **Slide and Learn™**. For example, you might store them in a large zippered plastic bag or in a basket at your math center.

Introducing the Slide and Learn™ Place Value - Intermediate Set

Explain to students that they will be creating large numbers from 0 up to 9,999,999. Tell them instead of writing the numbers that they will each use a **Slide and Learn™** to display different numbers. Show the class a **Slide and Learn™** and display the number 0 by pulling or pushing the strips so only the 0 shows in the ones place window. Next, make the number 9,999,999 to show the smallest and largest numbers that a **Slide and Learn™** can make. Point out the base-ten places from the ones place to the millions place. Review any past experiences students may have had with base-ten numerals in and out of your class.

Distribute a **Slide and Learn™** to each student. Give students a few minutes to examine them. Direct students to place the **Slide and Learn™** flat on their desks or tables. Have them make the number 0, the number 9,999,999, and then practice making several numbers together. Instruct students to return their **Slide and Learn™** to the predetermined location after each lesson.

Rounding Multi-Digit Numbers

Use the **Slide and Learn™** to practice rounding numbers. Choose a number and have students create it on their **Slide and Learn™**. Next, ask them to round to the nearest place of your choosing. Practice several times, assessing students' understanding as you walk around checking each **Slide and Learn™**.

Once students understand how to use the **Slide and Learn™**, assign a place value to each side of a die as follows, write the values on a chart, and display the chart:

- 1: tens place
- 2: hundreds place
- 3: thousands place
- 4: ten thousands place
- 5: hundred thousands place
- 6: millions place

Call out a number and have students make it on their **Slide and Learn™**. Roll the die. Instruct students to round the number to the place value determined by the die. Tell students to hold up their **Slide and Learn™** for you to check. Give students with the correct answer a thumbs-up, signaling that they have the correct answer and can put down their **Slide and Learn™**. Continue calling out numbers and rolling the die for more practice.

Comparing Multi-Digit Numbers Center

Create a center for partners to practice comparing multi-digit numbers: Copy and laminate several sets of the two **Place Value Slide and Learn Number Cards Reproducibles**, copying each set on a different color paper. Use the blank cards to create additional numbers before copying the reproducible. Store the sets in zippered plastic bags to keep them organized. Place one set of the **Slide and Learn Number Cards** and a **Slide and Learn™** for each player into a zippered plastic bag. Explain that students are to place the **Slide and Learn Number Cards** facedown on a table. Each player chooses a card, and does not show his or her partner the number on the card. Both players use a **Slide and Learn™** to create the given number on the card. They then compare numbers, and the player with the greatest number keeps both of the cards. After all of the cards have been used, the player with the most cards wins. Continue to play as many rounds as time allows.

Variation: Change the game so that the player with the lowest number wins each round.

- A) 4,739,062 B) 5,362,579 C) 8,200,015 D) 1,072,461
E) 9,920,888 F) 745,301 G) 400,265 H) 630,116 I) 751,062
J) 105,818 K) 55,678 L) 19,400 M) 11,119 N) 89,003
O) 64,541 P) 9,415 Q) 1,002 R) 3,781 S) 2,999 T) 7,654

Place Value Number of the Day

Reinforce place value skills by completing a **Place Value Number-of-the-Day** sheet. Copy and cut the reproducible in half to make individual pages to pass out each day.

Begin each morning by posting a multi-digit number. Train students to take a **Slide and Learn™** and use it to create the number. Then have them fill in a **Place Value Number-of-the-Day Sheet Reproducible** referring to the **Slide and Learn™**. Review the answers together as a class as a part of your morning routine.

All activity guides can be found online.

Name: _____ Date: _____

Answer the following based on the Number of the Day.
Always refer to the original number to answer.

Today's Number Is

Round to the nearest hundred _____

Round to the nearest ten thousand _____

Round to the nearest ten _____

One hundred more is _____

One million more is _____

One thousand less is _____

Ten less is _____

Here is a larger number _____

Write today's number in expanded form. _____

Write an equation that equals today's number below.

Name: _____ Date: _____

Answer the following based on the Number of the Day.
Always refer to the original number to answer.

Today's Number Is

Round to the nearest hundred _____

Round to the nearest ten thousand _____

Round to the nearest ten _____

One hundred more is _____

One million more is _____

One thousand less is _____

Ten less is _____

Here is a larger number _____

Write today's number in expanded form. _____

Write an equation that equals today's number below.

<p>A</p> <p>four million, seven hundred thirty-nine thousand, sixty-two</p>	<p>B</p> <p>five million, three hundred sixty-two thousand, five hundred seventy-nine</p>	<p>C</p> <p>eight million, two hundred thousand, fifteen</p>
<p>D</p> <p>one million, seventy-two thousand, four hundred sixty-one</p>	<p>E</p> <p>nine million, nine hundred twenty thousand, eight hundred eighty-eight</p>	<p>F</p> <p>seven hundred forty-five thousand, three hundred one</p>
<p>G</p> <p>four hundred thousand, two hundred sixty-five</p>	<p>H</p> <p>six hundred thirty thousand, one hundred sixteen</p>	<p>I</p> <p>seven hundred fifty-one thousand, sixty-two</p>
<p>J</p> <p>one hundred five thousand, eight hundred eighteen</p>		

<p>K</p> <p>fifty-five thousand, six hundred seventy-eight</p>	<p>L</p> <p>nineteen thousand, four hundred</p>	<p>M</p> <p>eleven thousand, one hundred nineteen</p>
<p>N</p> <p>eighty-nine thousand, three</p>	<p>O</p> <p>sixty-four thousand, five hundred forty-one</p>	<p>P</p> <p>nine thousand, four hundred fifteen</p>
<p>Q</p> <p>one thousand, two</p>	<p>R</p> <p>three thousand, seven hundred eighty-one</p>	<p>S</p> <p>two thousand, nine hundred ninety-nine</p>