

Monday – Identifying Place Value Periods

Big Idea: Large numbers are grouped in periods to help us read and understand them.

 **Mild:** What is the name of the period that the digit 7 is in: 7,385?

 **Medium:** In the number 482,103, what is the value of the 8? What period is it in?

 **Spicy:** Create a number in the millions that has a 2 in the thousands period and a 7 in the hundreds period. Explain how you know which digits go where.



Tuesday – Reading & Writing Large Numbers

Big Idea: Large numbers can be written in standard, expanded, and word form.



Mild: Write 6,203 in words.



Medium: Write 302,015 in standard, expanded, and word form.



Spicy: Invent a number between 1 million and 10 million, and represent it in all 3 forms. Challenge: include a zero in the hundreds place.

Wednesday – Matching Representations

Big Idea: Different forms can represent the same number.

 **Mild: Match: Six thousand, two hundred →**

A) 6,200

B) 6,020

Which one is correct?

 **Medium: Which of these is a correct match? How do you know?**

A) 320,000 = three hundred twenty hundred

B) 3,200 = thirty-two thousand

C) 203,010 = two hundred three thousand ten

 **Spicy: Make two “mystery numbers”: give one in word form and one in expanded form. Trade with a partner and try to match them to the correct standard number.**

Thursday – Visualizing Numbers

Big Idea: Place value can be visualized with blocks, digits, or grids.

 **Mild: Draw base-10 blocks to show 213.**

 **Medium: Represent 12,045 using a place value chart or visual blocks.**

 **Spicy: Invent a number over 100,000 and create a visual model or sketch of it using place value groupings. Be ready to explain your choices.**

I'm ready when you are. ;)