



I Can Statement - Year 7 Maths

Topic Overview - Place Value and Ordering	Pre-taught Vocabulary	
In this unit, we are exploring the structure of our base-10 number system by looking at everything from massive integers up to one billion down to tiny decimals. We will master how to read, write, order, and position these values perfectly using number lines and inequality symbols. Along the way, we will learn how to measure the spread of our data by finding the mathematical range and locate the middle value by calculating the median. We will also develop our estimation skills by rounding numbers to the nearest power of ten or to one significant figure. For an extra challenge, those of us on the higher strand will investigate positive and negative powers of ten, learning how to write both large numbers and decimals in standard index form.	Place Value	Interval
	Inequality Symbols $< > \geq \leq$	Median
	Range	Significant Figure
	Power of Ten e.g. $10^3 = 1,000$	Standard Index Form $A \times 10^n$

RAG Rating:		Start	End	Teacher
1.	I can read, write, and recognize the place value of any digit in large integers up to one billion and decimals down to hundredths.			
2.	I can calculate the value of intervals on a scale and accurately position any integer or decimal on a number line.			
3.	I can use formal inequality symbols $= \neq \geq \leq < >$ to compare and sort a list of numbers up to one billion.			
4.	I can find the median value and the range from a set of data to analyze how it is distributed.			
5.	I can round any integer to a specified positive power of ten and round any value to one significant figure to estimate an answer.			
6.	I can link terminating decimals to their matching fractions and confidently work between them interchangeably.			
7.	I can use my place value skills to solve interleaved problems involving sequences and equations from our previous topics.			
8.	Higher: I can express large multi-digit numbers like 10, 100, and 1,000 as formal powers of ten 10^n			
9.	Higher: I can write and interpret large positive integers in standard index form using the structure $A \times 10^n$			
10.	Higher: I can investigate negative powers of ten and use them to write small decimal values in standard index form.			

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