

Identifying Major Work Topics across the K-8 IA Core Math Standards

MAJOR WORK TOPICS*	K	1st	2nd	3rd	4th	5th	6th	7th	8th
Foundational Number Concepts and Counting (CC)	X	X							
Whole Number Place Value (NBT)	X	X	X		X				
Basic Fact Fluency (OA)	X	X	X	X					
Linear Measurement (MD)		X	X						
+/- Multi-Digit Whole Numbers (NBT)		X	X		X				
Geometric Measurement: Area and Volume (G)				X		X			
\times/\div Multi-Digit Whole Numbers (NBT)				X	X	X			
Foundational Fraction Concepts (NF)				X	X				
+/- Fractions (NF)					X	X			
\times/\div Fractions (NF)					X	X	X		
Decimal Place Value (NBT)					X	X			
+/- Decimals (NBT for 4-5 and NS in 6)						X	X		
\times/\div Decimals (NBT for 5 and NS in 6)						X	X		
Integer Concepts (NS)							X		
Integer and Rational Number Operations (NS)								X	
Ratios and Proportional Reasoning (RP)							X	X	X
Expressions, Equations, and Inequalities (EE)							X	X	X
Radicals and Exponents (NS)									X
Pythagorean Theorem (G)									X
Congruence and Similarity (G)									X
Functions (F)									X

*It is important to note that word problems and real-life situations should be embedded across all major work topics. Attention to the building of procedural fluency from conceptual understanding along with application is what constitutes rigorous instruction.