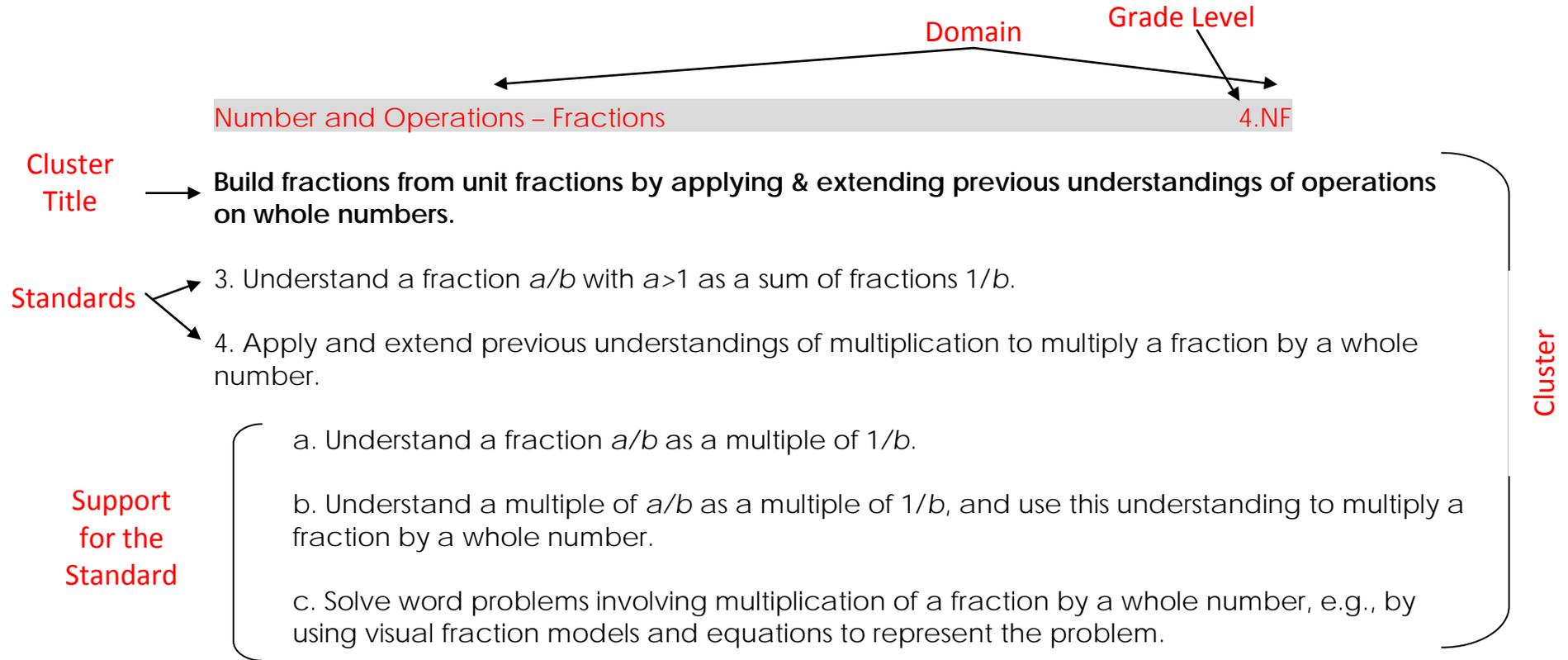


# KYAE Common Core Standards for Mathematics – Quick Reference Guide A

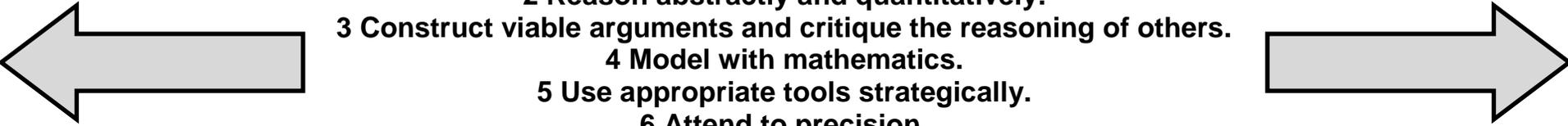
How to read the standards --

- **Domains** are larger groups of related standards. Standards from different domains may sometimes be closely related.
- **Clusters** are groups of related standards. Standards from different clusters may sometimes be closely related, because mathematics is a connected subject.
- **Standards** define what students should understand and be able to do.



## KYAE Common Core Standards for Mathematics – Quick Reference Guide B

DOMAINS OF MATHEMATICS STANDARDS K-8									
	K	1	2	3	4	5	6	7	8
Counting & cardinality (CC)	X								
Operations & algebraic thinking (OA)	X	X	X	X	X	X			
Numbers & operations in base ten (NBT)	X	X	X	X	X				
Numbers & operations – fractions (NF)				X	X	X			
Measurement & data (MD)	X	X	X	X	X	X			
Ratio & proportional relationships (RP)							X	X	
The number system (NS)							X	X	X
Expressions & equations (EE)							X	X	X
Functions (F)									X
Geometry (G)	X	X	X	X	X	X	X	X	X
Statistics & probability (SP)							X	X	X

Kindergarten	1	2	3	4	5	6	7	8	HS
8 Mathematical Practices – Students must be given opportunities to develop these practices at all levels.									
 <p> <b>1 Make sense of problems and persevere in solving them.</b>  <b>2 Reason abstractly and quantitatively.</b>  <b>3 Construct viable arguments and critique the reasoning of others.</b>  <b>4 Model with mathematics.</b>  <b>5 Use appropriate tools strategically.</b>  <b>6 Attend to precision.</b>  <b>7 Look for and make use of structure.</b>  <b>8 Look for and express regularity in repeated reasoning.</b> </p>									
Content Domains from Kindergarten to Grade 8 – Progress to High School Conceptual Categories									
Counting and Cardinality (K)									Number and Quantity (HS)
Number and Operations in Base Ten (K – 5)						Ratios and Proportional Relationships (6 – 7)			
			Number and Operations Fractions (3 – 5)			The Number System (6 – 8)			
Operations and Algebraic Thinking (K – 5)						Expressions and Equations (6 – 8)		Algebra (content) (HS)	
								Functions (8)	
Geometry (K – 5)						Geometry (6 – 8)		Geometry (HS)	
Measurement and Data (K – 5)						Statistics and Probability (6 – 8)		Stats/Prob (HS)	

