	<u>Texas</u>	<u>DODEA</u>	<u>Massachusetts</u>	<u>Nebraska</u>	<u>Utah</u>	Wyoming	<u>ldaho</u>
	One more/one less (K) not	Counting one more (K) not	Counting (one more)	Counting one more (K) not	Counting one more (K) not	One more/one less (K) not	One more/one less (K)
	identified explicitly as a	identified explicitly as a	patterns (k)	identified explicitly as a	identified explicitly as a	identified explicitly as a	
	Skip counting (1) not	Skip counting (2) not	Skip counting (2)	Skip counting (1)	Skip counting (2) not	Skip counting (2) not	Skip counting (1, 2)
	identified explicitly as a	identified explicitly as a			identified explicitly as a	identified explicitly as a	
	pattern	pattern			pattern	pattern	
	10 more/10 less (1) and 100	10 more/10 less (1) and 100	Arithmetic patterns of 10	10 more/10 less (1) and 100	10 more/10 less (1) and 100	10 more/10 less (1) and 100	
	more/100 (2) less not	more/100 (2) less not	more/10 less (1)	more/100 (2) less not	more/100 (2) less not	more/100 (2) less not	
	explicitly identified as	explicitly identified as		explicitly identified as	explicitly identified as	explicitly identified as	
	arithmetic patterns	arithmetic patterns		arithmetic patterns	arithmetic patterns	arithmetic patterns	
		Arithmetic patterns (3)	Arithmetic patterns (3)		Arithmetic patterns (3)	Arithmetic patterns (3)	Arithmetic sequences(4)
	Rules for patterns (4,5)	Rules for patterns (4, 5)	Rules for patterns (4, 5)	Rules for patterns (5)	Rules for patterns (4, 5)	Rules for patterns (4)	Rules for patterns (4, 5)
	Patterns in ordered pairs (5)	Patterns in ordered pairs and	Patterns in ordered pairs and	Patterns in ordered pairs (5)	Patterns in ordered pairs and	Patterns in ordered pairs and	Patterns in ordered pairs and
	Base 10 relationships (4), not	base ten patterns (5)	base ten patterns (5)	base ten relationships (5) not	base ten patterns (5)	base ten patterns (5)	base ten patterns (5)
	explicitly identified as a			explicitly identified as a			
	pattern in the student			pattern in the student			
Patterns	expectation.			expectation			
	Distribution summaries (6),	Distribution patterns (6)	Distribution patterns (6)	Distribution summaries (HS),	Distribution patterns (6)	Distribution patterns (6)	Distribution patterns (6)
	not explicitly identified as a			not explicitly identified as a			
	pattern in the student			pattern in the student			
	expectation.			expectation.			
	Description of data to address	Patterns of association (8)	Patterns of association (8)	Patterns of association (8)	Patterns of association (8)	Patterns of association (8)	Patterns of association (8)
	questions of association (8),						
	not explicitly identified as a						
	pattern in the student						
	expectation.						
	The term 'pattern' is within						
	the Algebraic Reasoning KS						
	that applies to all the						
	KS but only explicit						
	discussion of natterns in						
	student expectations in						
	arade 4 and arade 5						
	student expectations in grade 4 and grade 5.						

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	concept of perfect squares						
		factors and multiples (4)	factors and multiples (4)	factors and multiples (5)	factors and multiples (4)		factors and multiples (6)
		greatest common factor and	greatest common factor and	common factor and common	common factor and common	common factor and common	greatest common factor and
		least common multiple (6)	least common multiple (6)	multiple (6)	multiple (6)	multiple (6)	least common multiple (6)
		Parenthesis, brackets, and	Parenthesis, brackets, and		Parenthesis, brackets, and	Parenthesis, brackets, and	Parenthesis, brackets, and
Ondenst	Parenthesis and braces (4)	braces (5)	braces (5)		braces (5)	braces (5)	braces (5)
Order of	order of operation except						
Operations	exponents (5)	all order of operations (6)	all order of operations (6)	all order of operations (5)	all order of operations (6)	all order of operations (6)	all order of operations (6)
	all order of operations (6)						
	absolute value (6)						
	approximations of square					square roots and exponents	
	roots (8)	square and cube roots (8)	square and cube roots (8)	square and cube roots (8)	square and cube roots (8)	(HS)	square and cube roots (8)
	square roots and exponents						
	(HS)	Exponents (8)	Exponents (8)	exponents (8)	exponents (8)		exponents (8)

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	Whole Numbers									
	sums up to 10 and	sums up to 10 and		sums up to 10 and						
	differences within 10 (k)	differences within 10 (k)	Sums and differences to 5 (k)	differences within 10 (k)	differences within 10 (k)	differences within 10 (k)	differences within 10 (k)			
	Up to 20 (1)	Up to 20 (1)	Up to 20 (1)	Up to 20 (1)	Up to 20 (1)	Up to 100 (1)	Up to 100 (1)			
Addition and	Up to 1000 (2)	Up to 1000 (2)	Up to 1000 (2)	Up to 1000 (2)	Up to 1000 (2)	Up to 1000 (2)	Up to 1000 (2)			
Subtraction	Rational Numbers									
	Fractions and decimals (4, 5)	Fractions (4)	Fractions (4)	Fractions (4)	Fractions (4)	Fractions and decimals (5)	Fractions and decimals (5)			
		Fractions and decimals (5)	Fractions and decimals (5)	Fractions and decimals (5)	Fractions and decimals (5)					
	Expressions									
	Like terms (6)	Like terms (6)	Like terms (6, 7)	Like terms (6)	Like terms (6)	Like terms (6)	Like terms (6)			
	Polynomials (HS)	Linear polynomials (7)	Linear polynomials (7)	Polynomials (HS)	Polynomials (HS)	Linear polynomials (7)	Linear polynomials (7)			

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	Whole Numbers									
	Contextual multiplication or	Contextual multiplication or	Contextual multiplication or	Contextual multiplication or			Contextual multiplication or			
	division (2)	division (2)	division (2)	division (2)	Multiplication/ division (3–5)	Multiplication/ division (3–5)	division (2)			
	Recall multiplication	Recall multiplication	Recall multiplication	Recall multiplication			Recall multiplication			
	/division facts (3)	/division facts (3)	/division facts (3)	/division facts (3)			/division facts (3)			
Mulitplication	Rational Numbers									
and Division	Decimals (4)	Decimals (5)	Decimals (5)	Decimals (5)	Decimals (5)	Decimals (5)	Decimals (5)			
		Unit fractions & whole	Unit fractions & whole							
	Unit fractions (5)	number x fraction (4)	number x fraction (4)	number x fraction (4)	number x fraction (4, 5)	number x fraction (5)	Whole number x fraction (4)			
	Positive fractions (6)	Positive fractions (5)	Positive fractions (5)	Positive fractions (5)	Positive fractions (5)	Positive fractions (6)	Positive fractions (5)			
	Integer multiplication (6)	Integer multiplication (7)	Integer multiplication (7)	Integer multiplication (7)	Integer multiplication (7)	Integer multiplication (7)	Integer multiplication (7)			
	All Rational number (7)	All Rational number (7)	All Rational number (6)	All Rational number (6)	All Rational number (6)	All Rational number (6)	All Rational number (6)			
	Polynomials (HS)	Polynomials (HS)	Polynomials (HS)							

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	Concepts of measurement (K-	Concepts of measurement	Concepts of measurement				
	2)	(К)	(К)	(К)	(К)	(К)	(К)
	Linear (1, 2, 4, 5)	Linear (1, 2)	Linear (1, 2)				
	Capacity (3, 4, 5)	Capacity (3)	Capacity (3)				
	Weight/Mass (3–5)	Weight/Mass (4)	Weight/Mass (4)				
Magguramont	Time (1–4)	Time (1–4)	Time (1–3)	Time (K–4)	Time (1–4)	Time (1–4)	Time (1–3)
Measurement	Conversions within systems	Conversion within systems	Conversion within systems				
	(4–6)	(4–5)	(4–5)	(4–5)	(5)	(5)	(4)
	Conversion between systems	Conversion between	Conversion between				
	(7)	systems (6)	systems (6)				
		Tolerance and measuring to					
	Lack of focus on precision	precision (H.S.)	precision (H.S.)	precision (H.S.)	precision (H.S.)	Measuring to precision (H.S.)	Measuring to precision (H.S.)
							Fractional measurement (4)

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	Statistical variability and	Statistical variability and	Statistical variability and	Statistical variability and	Statistical variability and	Statistical variability and	Statistical variability and
	distributions (6–8)	distributions (6)	distributions (6)	distributions (6)	distributions (6)	distributions (6)	distributions (6)
Statistics and		Random sampling and	Random sampling and	Random sampling and	Random sampling and	Random sampling and	Random sampling and
	Random sampling (7,8)	probability models (7)	probability models (7)	probability models (7)	probability models (7)	probability models (7)	probability models (7)
Probability	Description of data to address	Patterns of association in	Patterns of association in	Patterns of association in	Patterns of association in	Patterns of association in	Patterns of association in
	questions of association (8)	bivariate data (8)	bivariate data (8)	bivariate data (8)	bivariate data (8)	bivariate data (8)	bivariate data (8)
	Theoretical and			experimental probability (6,			
	experimental probability (7)			7)			

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	2D/3D figure attributes and	2D/3D figure attributes and	2D/3D figure attributes and	2D/3D figure attributes and	2D/3D figure attributes and	2D/3D figure attributes and	2D/3D figure attributes and		
	classification (K–5)	classification (K–5)	classification (K–4)	classification (K–5)	classification (K–5)	classification (K–4	classification (K–4		
	Compose/decompose/partiti	Compose/decompose/partiti	Compose/decompose/partiti	Compose/decompose/partiti	Compose/decompose/partiti	Compose/decompose/partiti	Compose/decompose/partiti		
	on (1–3)	on (K–3)	on (K–3)	on (K–2)	on (K–3)	on (K–3)	on (K–3)		
	Symmetry (4)	Symmetry (4)	Symmetry (4)	Symmetry (4)	Symmetry (4)	Symmetry (4)	Symmetry (4)		
	Coordinate Plane (5,6, 8)	Coordinate Plane (5,6)	Coordinate Plane (5, 6)	Coordinate Plane (5–8)	Coordinate Plane(5–8)	Coordinate Plane (5–8)	Coordinate Plane (5–8)		
Coomotry	Congruence (8)	Congruence (8)	Congruence (8)	Congruence (8)	Congruence (8)	Congruence (8)	Congruence (8)		
Geometry	Geometric Measurements								
	Area and perimeter (3–8)	Area and perimeter (3, 6)	Area and perimeter (3, 6, 7)	Area and perimeter (3–8)	7)	Area and perimeter (3, 4, 6)	Area and perimeter (3, 4, 6)		
	Volume (5–8)	Volume (5–8)	Volume (5–8)	Volume (5–8)	Volume (5–8)	Volume (5–8)	Volume (5–8)		
	Surface Area (7,8)	Surface Area (6, 7)	Surface Area (6,7)	Surface Area (6, 7)	Surface Area (6, 7)	Surface Area (6–8)	Surface Area (6–8)		
	Circumference (7+)	Circumference (7)	Circumference (7)	Circumference (7)	Circumference (7)	Circumference (7)	Circumference (7)		
	Pythagorean Theorem (8)	Pythagorean Theorem (8)	Pythagorean Theorem (8)	Pythagorean Theorem (8)	Pythagorean Theorem (8)	Pythagorean Theorem (8)	Pythagorean Theorem (8)		
		Relative position (K)	Relative position (K)	Relative position (K)	Relative position (K)	Relative position (K)	Relative position (K)		
	3D nets for finding area(7)	3D nets (6+)	3D nets (6+)	3D nets (6+)	3D nets (6+)	3D nets (6+)	3D nets (6+)		

Drocoss	<u>Texas</u>	DODEA	<u>Massachusetts</u>	<u>Nebraska</u>	<u>Utah</u>	<u>Wyoming</u>	<u>ldaho</u>
Standards (All organizations reference NRC's Adding it Up and/or NCTM's process standards documents)	7 process standards	8 process standards	8 process standards	5 process standards	8 process standards	8 process standards	8 process standards
Personal Financial Literacy Strand	Strand in K-8 math	None	None	None	None	None	None