

easyCBM Math Assessments by Grade

Bold=CCSS domains <i>italicized= easyCBM measures</i>	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Numbers in Base Ten (NBT)	•	•	•	•	•			
<i>Number and Operations (NumOp)</i>	X	X						
Number and Operations—Fractions (NF)			•	•	•			
<i>Number and Operations (NumOp)</i>			X	X	X	X		
Operations and Algebraic Thinking (OA)	•	•	•	•	•			
<i>Number and Operations and Algebra (NumOpAlg)</i>	X	X	X	X	X		X	
<i>Algebra (Alg)</i>						X		X
Ratios and Proportional Relationships (RP)						•	•	
<i>Number and Operations and Ratios (NumOpRat)</i>						X		
<i>Number and Operations, Algebra, and Geometry (NumOpAlgGeo)</i>							X	
Geometry (G) and Measurement (MD)	MD / G	MD / G	MD / G	MD / G	MD / G	G	G	G
<i>Geometry (Geo)</i>	X		X					
<i>Measurement (Meas)</i>		X		X				
<i>Geometry, Measurement, and Algebra (GeoMeasAlg)</i>					X			
<i>Measurement, Geometry, and Algebra (MeasGeoAlg)</i>							X	
<i>Geometry and Measurement (GeoMeas)</i>								X
Statistics and Probability (SP)						•	•	•
<i>Data Analysis, Number and Operations, and Algebra (DatNumOpAlg)</i>								X
easyCBM Math Composite	X	X	X	X	X	X	X	X

easyCBM Math Assessment Details by Grade

The *easyCBM* math assessments are based on the National Council of Teachers of Mathematics (NCTM) *Curriculum Focal Points* at each grade. In the chart below, the column on the left identifies the *easyCBM* assessments, and the column for each grade describes the related *Focal Point* for each assessment. Related assessments are grouped together in order to facilitate progress monitoring across grades. Assessment clusters loosely align with domain names in the *Common Core State Standards for Mathematics*.

	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Numbers in Base Ten (NBT)	•	•	•	•	•			
<i>Number and Operations (NumOp*)</i>	Developing an understanding of whole number relationships, including grouping in tens and ones	Developing an understanding of the base-ten numeration system and place-value concepts						
Number and Operations—Fractions (NF)			•	•	•			
<i>Number and Operations (NumOp)</i>			Developing an understanding of fractions and fraction equivalence	Developing an understanding of decimals, including the connections between fractions and decimals	Developing an understanding of and fluency with addition and subtraction of fractions and decimals	Developing an understanding of and fluency with multiplication and division of fractions and decimals		

* Assessment abbreviations match those used by the Student Achievement Model (SAM). Abbreviations might not match the assessment names provided in the Excel export from *easyCBM* Lite.

	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Operations and Algebraic Thinking (OA)	•	•	•	•	•			
<i>Number and Operations and Algebra (NumOpAlg)</i>	Developing understanding of addition and subtraction and strategies for basic addition facts and related subtraction facts	Developing quick recall of addition facts and related subtraction facts and fluency with multidigit addition and subtraction	Developing understanding of multiplication and division and strategies for basic multiplication facts and related division facts	Developing quick recall of multiplication facts and related division facts and fluency with whole number multiplication	Developing understanding of and fluency with division of whole numbers		Developing an understanding of operations on all rational numbers and solving linear equations	
<i>Algebra (Alg)</i> See Expressions and Equations (EE) in <i>Common Core State Standards</i>						Writing, interpreting, and using mathematical expressions and equations		Analyzing and representing linear functions and solving linear equations and systems of linear equations
Ratios and Proportional Relationships (RP)						•	•	
<i>Number and Operations and Ratios (NumOpRat)</i>						Connect ratio and rate to multiplication and division		
<i>Number and Operations, Algebra, and Geometry (NumOpAlgGeo)</i>							Developing an understanding of and applying proportionality, including similarity	

	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Geometry (G) and Measurement (MD)	MD / G	MD / G	MD / G	MD / G	MD / G	G	G	G
<i>Geometry (Geo)</i>	Compose and decompose geometric shapes		Describing and analyzing properties of two-dimensional shapes					
<i>Measurement (Meas)</i>		Developing an understanding of linear measurement and facility in measuring lengths		Developing and understanding of area and determining the areas of two-dimensional shapes				
<i>Geometry, Measurement, and Algebra (GeoMeasAlg)</i>					Describing three-dimensional shapes and analyzing their properties, including volume and surface area			
<i>Measurement, Geometry, and Algebra (MeasGeoAlg)</i>							Developing an understanding of and using formulas to determine surface areas and volumes of three-dimensional shapes	
<i>Geometry and Measurement (GeoMeas)</i>								Analyzing two- and three-dimensional space and figures by using distance and angle

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Statistics and Probability (SP)						•	•	•
<i>Data Analysis, Number and Operations, and Algebra</i> (DatNumOpAlg)								Analyzing and summarizing data sets