

**Mathematics Alignment At A Glance  
Version 12.05**

**Fifth Grade**

**Key:**

\*V.1.1 represents Strand V, Standard 1, Benchmark 1 of the MCF

GLCE Code	Standards and Benchmarks	GLCE Code	Standards and Benchmarks
<b>NUMBER &amp; OPERATIONS</b>		<b>MEASUREMENT</b>	
<b>Understand division of whole numbers</b>		<b>Know, and convert among, measurement units within a given system.</b>	
N.MR.05.01	*V.1.1	M.UN.05.01	II.3.2, II.3.5
N.MR.05.02	V.1.1	M.UN.05.02	II.3.2
N.MR.05.03	V.2.1	M.UN.05.03	II.3.2
<b>Multiply and divide whole numbers</b>		M.UN.05.04	II.3.5
N.FL.05.04	V.1.2	<b>Find areas of geometric shapes using formulas</b>	
N.FL.05.05	V.1.4	M.PS.05.05	II.3.4
N.FL.05.06	V.1.2	M.TE.05.06	II.3.5
<b>Find prime factorizations of whole numbers</b>		M.TE.05.07	II.3.5
N.MR.05.07	IV.3.3	<b>Understand the concept of volume</b>	
<b>Understand meaning of decimal fractions and percentages</b>		M.TE.05.08	II.1.4
N.ME.05.08	IV.2.2, IV.2.4, IV.3.1	M.TE.05.09	II.3.1
N.ME.05.09	IV.2.2	M.PS.05.10	II.3.6
<b>Understand fractions as division statements; find equivalent fractions</b>		<b>GEOMETRY</b>	
N.ME.05.10	IV1.1, IV.2.1	<b>Know the meaning of angles, &amp; solve problems</b>	
N.ME.05.11	IV.2.2	G.TR.05.01	II.2.3
<b>Multiply and divide fractions</b>		G.GS.05.02	II.1.2, II.3.1
N.ME.05.12	V.1.2	G.GS.05.03	II.3.5
N.MR.05.13	V.1.2	G.GS.05.04	II.3.5
<b>Add &amp; subtract fractions using common denominators</b>		G.GS.05.05	II.3.5
N.FL.05.14	V.1.2	G.GS.05.06	II.1.2
<b>Multiply and divide by powers of ten</b>		<b>Solve problems about geometric shapes</b>	
N.MR.05.15	IV.3.4	G.GS.05.07	II.3.5
N.FL.05.16	V.1.2	<b>DATA &amp; PROBABILITY</b>	
N.MR.05.17	V.1.2	<b>Construct and interpret line graphs</b>	
<b>Solve applied problems with fractions</b>		D.RE.05.01	III.1.3, III.2.3, III.2.4, I.2.1
N.FL.05.18	V.2.1	D.RE.05.02	III.1.2, III.1.3
N.MR.05.19	V.1.4	<b>Find and interpret mean and mode for a given set of data</b>	
N.FL.05.20	IV.2.4, V.1.2, V.1.4, IV.2.5	D.AN.05.03	III.2.2, III.2.3
N.MR.05.21	V.2.1	D.AN.05.04	III.2.3
<b>Express, interpret, &amp; use ratios; find equivalences</b>			
N.MR.05.22	IV.2.2		
N.ME.05.23	IV.2.2, IV.3.1		

**GRADE LEVEL CONTENT EXPECTATIONS KEY:**

**N** = Number & Operations

**A** = Algebra

**M** = Measurement

**G** = Geometry

**D** = Data & Probability

ME = Meaning, notation, place value, & comparisons

MR = Number relationships & Meaning of operations

FL = Fluency with operations and estimation

PA = Patterns, relations, functions, & change

RP = Representation

FO = Formulas, expressions, equations, & inequalities

UN = Units/systems of measurement

TE = Techniques & formulas for measurement

PS = Problem solving for measurement

SR = Spatial reasoning & geometric modeling

GS = Geometric shape, properties, & mathematical arguments

LO = Location & special relationships

TR = Transformation & symmetry

D = Data representation

AN = Data interpretation & analysis

PR = Probability