

**Mathematics Alignment At A Glance  
Version 12.05**

**Sixth Grade**

**Key:**

\*V.2.1 represents Strand V, Standard 2, Benchmark 1 of the MCF

GLCE Code	Standards and Benchmarks	GLCE Code	Standards and Benchmarks
<b>NUMBER &amp; OPERATIONS</b>		<b>Use variables, write expressions and equations, and combine like terms</b>	
<b>Multiply and divide fractions</b>			
N.MR.06.01	*V.2.1	A.FO.06.03	V.2.1
N.FL.06.02	V.1.2, V.2.1	A.FO.06.04	V.2.1
N.MR.06.03	V.2.1	A.FO.06.05	V.2.1
N.FL.06.04	V.1.2	A.FO.06.06	V.2.1
		A.FO.06.07	V.2.1
<b>Represent rational numbers as fractions, or decimals</b>		<b>Represent linear functions using tables, equations, and graphs</b>	
N.ME.06.05	IV.1.3, IV.2.1, IV.3.1	A.RP.06.08	I.1.2, III.1.3
N.ME.06.06	IV.1.1, IV.2.2	A.PA.06.09	I.2.6, V.2.4
N.ME.06.07	IV.1.1	A.RP.06.10	I.2.4, III.1.3, V.2.1
<b>Add and subtract integers and rational numbers</b>		<b>Solve equations</b>	
N.MR.06.08	IV.1.3	A.FO.06.11	V.2.1
N.FL.06.09	V.1.2	A.FO.06.12	V.2.3
N.FL.06.10	V.1.2	A.FO.06.13	V.1.3, IV.1.3
N.ME.06.11	IV.3.2	A.FO.06.14	V.2.3
<b>Solve decimal, percentage and rational number problems</b>		<b>MEASUREMENT</b>	
		<b>Convert within measurement systems</b>	
N.FL.06.12	V.1.2	M.UN.06.01	II.3.5
N.MR.06.13	IV.2.5, V.1.4	<b>Find volume and surface area</b>	
N.FL.06.14	IV.2.4, IV.2.5, V.1.2	M.PS.06.02	II.1.4
N.FL.06.15	V.1.4	M.TE.06.03	II.3.5
<b>Use exponents</b>		<b>GEOMETRY</b>	
		<b>Understand and apply basic properties</b>	
N.ME.06.16	IV.1.2, IV.3.4	G.GS.06.01	II.1.6
<b>Understand rational numbers and their location on the number line</b>		<b>Understand the concept of congruence and basic transformations</b>	
N.ME.06.17	IV.1.1, IV.1.3, IV.3.1	G.GS.06.02	II.1.6
N.ME.06.18	IV.1.1	G.TR.06.03	II.1.5, II.2.3, II.2.5
N.ME.06.19	IV.1.3	G.TR.06.04	II.1.5, II.2.3
N.ME.06.20	IV.1.3	<b>Construct geometric shapes</b>	
<b>ALGEBRA</b>		G.SR.06.05	II.1.4, II.2.2
<b>Calculate rates</b>		<b>DATA &amp; PROBABILITY</b>	
A.PA.06.01	IV.3.2, V.2.5	<b>Understand the concept of probability and solve problems</b>	
<b>Understand the coordinate plane</b>		D.PR.06.01	VI.1.1, VI.1.2
A.RP.06.02	II.2.4	D.PR.06.02	VI.1.1, VI.1.2, VI.1.3, VI.1.5

**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