Integrated Math 1 Exam
Blueprint Summary
Rapid City Area Schools

CCSS Category & Clusters	% of Questions included in the Test	Question Number	CCSS Standard(s)	Webb's DOK
Number & Quantity ➢ Extend the properties of exponents to rational exponents ➢ Reason quantitatively and use units to solve problems	10%	1	N.RN.2	DOK 2
		3	N.RN.2	DOK 2
		16	N.RN.2	DOK 2
		40	N.Q.1	DOK 2
		52	N.Q.1	DOK 2
		54	N.Q.1	DOK 2
Algebra ➢ Interpret the structure of expressions ➢ Write expressions in equivalent forms to solve problems ➢ Choose equations that describe numbers or relationships ➢ Understand solving equation as a process of reasoning and explain the reasoning ➢ Solve equations and inequalities in one variable ➢ Solve systems of equations ➢ Represent and solve equations and inequalities graphically	35%	6	A.SSE.2	DOK 2
		7	A.REI.4	DOK 2
		9	A.SSE.2	DOK 2
		10	A.CED.2	DOK 3
		13	A.REI.4	DOK 1
		15	A.SSE.3	DOK 1
		23	A.CED.2	DOK 3
		24	A.CED.1	DOK 2
		29	A.SSE.2	DOK 2
		30	A.SSE.2	DOK 2
		31	A.REI.1	DOK 2
		33	A.REI.4	DOK 1
		34	A.REI.11	DOK 2
		35	A.REI.11	DOK 2
		37	A.CED.2	DOK 2
		38	A.CED.2	DOK 2
		39	A.REI.3	DOK 2
		41	A.REI.1	DOK 2
		53	A.SSE.1	DOK 1
		55	A.SSE.1	DOK 1
		59	A.CED.1	DOK 2

Functions ➢ Understand the concept of a function and use function notation ➢ Interpret functions that arise in applications in terms of the context ➢ Analyze functions using different representations ➢ Build a function that models a relationship between two quantities ➢ Build new functions from existing functions ➢ Construct and compare linear and exponential models and solve problems ➢ Interpret expressions for functions in terms of the situation they model	30%	2	F.LE.1	DOK 2
		4	F.LE.2	DOK 2
		5	F.LE.2	DOK 2
		8	F.IF.8	DOK 3
		11	F.IF.4	DOK 2
		12	F.BF.1	DOK 2
		14	F.LE.5	DOK 1
		32	F.IF.7	DOK 2
		36	F.IF.4	DOK 3
		42	F.IF.6	DOK 3
		43	F.LE.2	DOK 2
		44	F.IF.5	DOK 1
		46	F.IF.6	DOK 2
		47	F.IF.6	DOK 1
		48	F.LE.5	DOK 2
		49	F.IF.8	DOK 1
		50	F.IF.2	DOK 1
		51	F.BF.2	DOK 2
		60	F.LE.1	DOK 2
Geometry ➢ Experiment with transformations in the plane ➢ Understand congruence in terms of rigid motions	5%	17	G.CO.3	DOK 2
		18	G.CO.6	DOK 2
		19	G.CO.6	DOK 2
Statistics & Probability ➢ Summarize, represent, and interpret data on a single count or measurement variable ➢ Summarize, represent, and interpret data on two categorical and quantitative variables ➢ Interpret linear models	20%	20	S.ID.3	DOK 2
		21	S.ID.1	DOK 2
		22	S.ID.2	DOK 2
		25	S.ID.1	DOK 3
		26	S.ID.6	DOK 3
		27	S.ID.6	DOK 1
		28	S.ID.6	DOK 1
		45	S.ID.2	DOK 2
		56	S.ID.2	DOK 3
		57	S.ID.2	DOK 3
		58	S.ID.3	DOK 3