Appendix 2-N: Test Development Partner Report: Operational Mathematics Initial Core Item Selection

Operational Mathematics Initial Core Item Selection

Red indicates the best candidate from a content perspective identified as a field test position. The cells marked in green indicate the CCCs, by tier, which could contribute to the operational score.

TABLE 1. MATHEMATICS—GRADE 3 FORM A

			Session 1					Session 2A					1 + 2A				
Domain	Int. % Cvg	CCC	Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4	Act. % Cvg
Operations and Algebraic Thinking	28 - 32%	3.NO.2d3		X	X			X	X				X	X X	X		29%
		3.NO.2e1	X	X					X	X			X	X	X		
		3.PRF.2d1	X		X				X		X		X	X	X	X	
Number and Operations Base Ten	17 - 23%	3.NO.1j3		X	X				X	X				X	X X		17%
		3.NO.2c1		X		X		X		X			X	X	X	X	
Number and Operations Fractions	17 - 23%	3.NO.1l3		X	X		+	X			X	=	X	X	X	X	23%
		3.SE.1g1	X		X				X	X			X	X	X X		
Measurement and Data	17 - 23%	3.DPS.1g1	X		X				X	X			X	X	X		20%
		3.ME.1d2		X	X				X	X				X X	X X		
Geometry	9 - 11%	3.GM.1i1		X		X		X		X			X	X	X	X	11%
												Points:	7	12	12	4	

TABLE 2. MATHEMATICS—GRADE 3 FORM B

			Session 1					Session 2B					1 + 2B				
Domain	Int. % Cvg	CCC	Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4	Act. % Cvg
Operations and Algebraic Thinking	28 - 32%	3.NO.2d3		X	X				X	X				X X	X X		29%
		3.NO.2e1	X	X					X	X			X	X	X		
		3.PRF.2d1	X		X				X	X			X	X	X		
Number and Operations Base Ten	17 - 23%	3.NO.1j3		X	X				X		X			X X	X	X	23%
		3.NO.2c1		X		X		X		X			X	X	X	X	
Number and Operations Fractions	17 - 23%	3.NO.1l3		X	X		+	X	X			=	X	X X	X		17%
		3.SE.1g1	X		X				X	X			X	X	X		
Measurement and Data	17 - 23%	3.DPS.1g1	X		X				X		X		X	X	X	X	20%
		3.ME.1d2		X	X			X		X			X	X	X		
Geometry	9 - 11%	3.GM.1i1		X		X		X		X			X	X	X	X	11%

Points:	**7**	**13**	**11**	**4**	

TABLE 3. MATHEMATICS—GRADE 3 FORM C

			Session 1					Session 2C					1 + 2C				
Domain	**Int. % Cvg**	**CCC**	**Tier 1**	**Tier 2**	**Tier 3**	**Tier 4**		**Tier 1**	**Tier 2**	**Tier 3**	**Tier 4**		**Tier 1**	**Tier 2**	**Tier 3**	**Tier 4**	**Act. % Cvg**
Operations and Algebraic Thinking	28 - 32%	3.NO.2d3		X	X			X		X			X	X	X X		29%
		3.NO.2e1	X	X						X	X		X	X	X	X	
		3.PRF.2d1	X		X				X	X			X	X	X		
Number and Operations Base Ten	17 - 23%	3.NO.1j3		X	X			X		X			X	X	X X		20%
		3.NO.2c1		X		X			X	X				X	X	X	
Number and Operations Fractions	17 - 23%	3.NO.1l3		X	X		+		X	X		=		X X	X		20%
		3.SE.1g1	X		X			X	X				X X	X	X		
Measurement and Data	17 - 23%	3.DPS.1g1	X		X			X	X				X	X	X		20%
		3.ME.Xd2		X	X				X		X			X X	X	X	
Geometry	9 - 11%	3.GM.XiX		X		X			X	X				X X	X	X	11%
											Points:		**7**	**13**	**11**	**4**	

TABLE 4. MATHEMATICS—GRADE 3 FORM D

			Session 1					Session 2D					1 + 2D				
Domain	**Int. % Cvg**	**CCC**	**Tier 1**	**Tier 2**	**Tier 3**	**Tier 4**		**Tier 1**	**Tier 2**	**Tier 3**	**Tier 4**		**Tier 1**	**Tier 2**	**Tier 3**	**Tier 4**	**Act. % Cvg**
Operations and Algebraic Thinking	28 -32%	3.NO.2d3		X	X				X		X			X X	X	X	32%
		3.NO.2eX	X	X				X		X			X	X	X		
		3.PRF.2dX	X		X			X	X				X X	X	X		
Number and Operations Base Ten	17 - 23%	3.NO.Xj3		X	X			X		X			X	X	X		17%
		3.NO.2cX		X		X			X	X				X	X	X	
Number and Operations Fractions	17 - 23%	3.NO.Xl3		X	X		+		X	X		=		X X	X		20%
		3.SE.XgX	X		X				X		X		X	X	X	X	
Measurement and Data	17 - 23%	3.DPS.XgX	X		X				X	X			X	X	X X		20%
		3.ME.Xd2		X	X			X		X			X	X	X		
Geometry	9 - 11%	3.GM.XiX		**X**		**X**			X	X				X X	X	X	11%
											Points:		**7**	**13**	**11**	**4**	

TABLE 5. MATHEMATICS—GRADE 4 FORM A

Domain	Int. % Cvg	CCC	Session 1 Tier 1	Session 1 Tier 2	Session 1 Tier 3	Session 1 Tier 4	Session 2A Tier 1	Session 2A Tier 2	Session 2A Tier 3	Session 2A Tier 4	1 + 2A Tier 1	1 + 2A Tier 2	1 + 2A Tier 3	1 + 2A Tier 4	Act. % Cvg
Operations and Algebraic Thinking	28 -32%	4.NO.2d7		X	X			X	X			X X	X X		29%
		4.PRF.1e3		X		X	X		X		X	X	X	X	
		4.NO.2e2	X		X			X	X		X	X	X		
Number and Operations Base Ten	9 - 11%	4.NO.1j5		X	X		X			X	X	X	X	X	XX%
Number and Operations Fractions	28 -32%	4.NO.1m1	X	X				X	X		X	X	X		29%
		4.NO.1n2		X	X		X	X			X	X	X		
		4.SE.1g2		X		X	X		X		X	X	X	X	
Measurement and Data	17 - 23%	4.ME.1g2		X	X			X	X			X X	X X		20%
		4.DPS.1g3	X		X			X	X		X	X	X		
Geometry	9 - 11%	4.GM.1h2	X		X			X		X	X	X	X	X	XX%
										Points:	**7**	**12**	**12**	**4**	

TABLE 6. MATHEMATICS—GRADE 4 FORM B

Domain	Int. % Cvg	CCC	Session 1 Tier 1	Session 1 Tier 2	Session 1 Tier 3	Session 1 Tier 4	Session 2B Tier 1	Session 2B Tier 2	Session 2B Tier 3	Session 2B Tier 4	1 + 2B Tier 1	1 + 2B Tier 2	1 + 2B Tier 3	1 + 2B Tier 4	Act. % Cvg
Operations and Algebraic Thinking	28 - 32%	4.NO.2d7		X	X			X		X		X	X	X	29%
		4.PRF.1e3		X		X	X		X		X	X	X	X	
		4.NO.2e2	X		X			X	X		X	X	X X		
Number and Operations Base Ten	9 - 11%	4.NO.1j5		X	X		X	X			X	X X	X		XX%
Number and Operations Fractions	28 - 32%	4.NO.1m1	X	X				X	X		X	X	X		29%
		4.NO.1n2		X	X			X	X			X X	X X		
		4.SE.1g2		X		X	X		X		X	X	X	X	
Measurement and Data	17 - 23%	4.ME.1g2		X	X		X		X		X	X	X X		20%
		4.DPS.1g3	X		X			X		X	X	X	X		
Geometry	9 - 11%	4.GM.1h2	X		X			X	X		X	X	X X		11%
										Points:	**7**	**12**	**13**	**3**	

TABLE 7. MATHEMATICS—GRADE 4 FORM C

Domain	Int. % Cvg	CCC	Session 1 Tier 1	Session 1 Tier 2	Session 1 Tier 3	Session 1 Tier 4	Session 2C Tier 1	Session 2C Tier 2	Session 2C Tier 3	Session 2C Tier 4	1 + 2C Tier 1	1 + 2C Tier 2	1 + 2C Tier 3	1 + 2C Tier 4	Act. % Cvg
Operations and Algebraic Thinking	28 - 32%	4.NO.2d7		X	X		X		X		X	X	X		29%
		4.PRF.1e3		X		X		X	X			X X	X	X	
		4.NO.2e2	X		X		X	X			X	X	X		
Number and Operations Base Ten	9 - 11%	4.NO.1j5		X	X			X	X			X X	X X		11%
Number and Operations Fractions	28 - 32%	4.NO.1m1	X	X					X	X	X	X	X	X	26%
		4.NO.1n2		X	X		X		X		X	X	X		
		4.SE.1g2		X		X		X	X			X	X	X	
Measurement and Data	17 - 23%	4.ME.1g2		X	X			X		X		X X	X	X	23%
		4.DPS.1g3	X		X		X	X			X X	X	X		
Geometry	9 - 11%	4.GM.1h2	X		X			X	X		X	X	X X		11%
										Points:	**7**	**13**	**12**	**3**	

TABLE 8. MATHEMATICS—GRADE 4 FORM D

Domain	Int. % Cvg	CCC	Session 1 Tier 1	Session 1 Tier 2	Session 1 Tier 3	Session 1 Tier 4	Session 2D Tier 1	Session 2D Tier 2	Session 2D Tier 3	Session 2D Tier 4	1 + 2D Tier 1	1 + 2D Tier 2	1 + 2D Tier 3	1 + 2D Tier 4	Act. % Cvg
Operations and Algebraic Thinking	28 - 32%	4.NO.2d7		X	X		X		X		X	X	X X		29%
		4.PRF.1e3		X		X		X	X			X	X	X	
		4.NO.2e2	X		X			X		X	X	X	X	X	
Number and Operations Base Ten	9 - 11%	4.NO.1j5		X	X			X	X			X X	X X		11%
Number and Operations Fractions	28 - 32%	4.NO.1m1	X	X			X		X		X	X	X		29%
		4.NO.1n2		X	X			X		X		X X	X	X	
		4.SE.1g2		X		X		X	X			X	X	X	
Measurement and Data	17 - 23%	4.ME.1g2		X	X		X		X		X	X	X X		20%
		4.DPS.1g3	X		X			X	X		X	X	X		
Geometry	9 - 11%	4.GM.1h2	X		X		X	X			X X	X	X		11%
										Points:	**7**	**11**	**13**	**4**	

TABLE 9. MATHEMATICS—GRADE 5 FORM A

			Session 1					Session 2A					1 + 2A				
Domain	Int. % Cvg	CCC	Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4	Act. % Cvg
Operations and Algebraic Thinking	9 - 11%	5.PRF.2b1		X		X		X		X			X	X	X	X	9%
Number and Operations Base Ten	34 - 40%	5.NO.1b1		X	X			X			X		X	X	X	X	40%
		5.NO.1b4	X		X				X	X			X	X	X X		
		5.NO.2c1		X	X				X	X				X	X X		
		5.NO.2a5		X		X		X		X			X	X	X	X	
Number and Operations Fractions	17 - 23%	5.NO.2c2		X	X		+		X	X		=		X X	X		20%
		5.PRF.1a1	X		X				X	X			X	X	X X		
Measurement and Data	17 - 23%	5.ME.1b2		X	X			X	X				X	X	X		20%
		5.ME.2a1	X	X					X	X			X	X X	X		
Geometry	9 - 11%	5.GM.1c3	X		X				X		X		X	X	X	X	11%
											Points:		**7**	**12**	**12**	**4**	

TABLE 10. MATHEMATICS—GRADE 5 FORM B

			Session 1					Session 2B					1 + 2B				
Domain	Int. % Cvg	CCC	Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4	Act. % Cvg
Operations and Algebraic Thinking	9 - 11%	5.PRF.2b1		X		X		X		X			X	X	X	X	11%
Number and Operations Base Ten	34 - 40%	5.NO.1b1		X	X			X	X				X	X X	X		40%
		5.NO.1b4	X		X				X	X			X	X	X X		
		5.NO.2c1		X	X				X		X			X	X	X	
		5.NO.2a5		X		X		X		X			X	X	X	X	
Number and Operations Fractions	17 - 23%	5.NO.2c2		X	X		+	X		X		=	X	X	X		20%
		5.PRF.1a1	X		X				X		X		X	X	X	X	
Measurement and Data	17 - 23%	5.ME.1b2		X	X				X	X				X X	X		20%
		5.ME.2a1	X	X					X	X			X	X X	X		
Geometry	9 - 11%	5.GM.1c3	X		X				X	X			X	X	X		9%
											Points:		**7**	**13**	**11**	**4**	

TABLE 11. MATHEMATICS—GRADE 5 FORM C

			Session 1					Session 2C					1 + 2C				
Domain	Int. % Cvg	CCC	Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4	Act. % Cvg
Operations and Algebraic Thinking	9 - 11%	5.PRF.2b1		X		X			X	X				X	X	X	9%
Number and Operations Base Ten	34 - 40%	5.NO.1b1		X	X				X	X				X X	X X		40%
		5.NO.1b4	X		X			X	X				X	X	X		
		5.NO.2c1		X	X			X		X			X	X	X		
		5.NO.2a5		X		X			X	X				X X	X	X	
Number and Operations Fractions	17 - 23%	5.NO.2c2		X	X		+		X		X	=		X X	X	X	20%
		5.PRF.1a1	X		X			X	X				X X	X	X		
Measurement and Data	17 - 23%	5.ME.1b2		X	X			X		X			X	X	X		20%
		5.ME.2a1	X	X						X	X		X	X	X	X	
Geometry	9 - 11%	5.GM.1c3	X		X				X	X			X	X	X X		11%
												Points:	**7**	**13**	**12**	**3**	

TABLE 12. MATHEMATICS—GRADE 5 FORM D

			Session 1					Session 2D					1 + 2D				
Domain	Int. % Cvg	CCC	Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4	Act. % Cvg
Operations and Algebraic Thinking	9 - 11%	5.PRF.2b1		X		X			X	X				X	X	X	9%
Number and Operations Base Ten	34 - 40%	5.NO.1b1		X	X				X	X				X X	X X		40%
		5.NO.1b4	X		X				X		X		X	X	X	X	
		5.NO.2c1		X	X			X		X			X	X	X		
		5.NO.2a5		X		X			X	X				X	X	X	
Number and Operations Fractions	17 - 23%	5.NO.2c2		X	X		+	X		X		=	X	X	X X		20%
		5.PRF.1a1	X		X				X	X			X	X	X		
Measurement and Data	17 - 23%	5.ME.1b2		X	X				X		X			X	X		22%
		5.ME.2a1	X	X				X		X			X X	X	X		
Geometry	9 - 11%	5.GM.1c3	X		X			X	X				X	X	X		9%
												Points:	**7**	**12**	**12**	**4**	

TABLE 13. MATHEMATICS—GRADE 6 FORM A

Domain	Int. % Cvg	CCC	Session 1 Tier 1	Session 1 Tier 2	Session 1 Tier 3	Session 1 Tier 4		Session 2A Tier 1	Session 2A Tier 2	Session 2A Tier 3	Session 2A Tier 4		1 + 2A Tier 1	1 + 2A Tier 2	1 + 2A Tier 3	1 + 2A Tier 4	Act. % Cvg
Ratio and Proportions	28 -32%	6.PRF.1c1		X	X		+		X	X		=		X	X X		31%
		6.ME.2a2		X		X		X		X			X	X	X	X	
		6.NO.1f1	X		X				X	X			X	X	X X		
Expressions and Equations	17- 23%	6.PRF.1d1	X		X				X	X			X	X	X X		20%
		6.NO.2a6		X	X				X	X				X	X X		
The Number System	28 -32%	6.NO.2c3	X	X					X	X			X	X X	X		31%
		6.NO.1d4	X		X				X		X		X	X	X	X	
		6.NO.1d2		X	X			X	X				X	X X	X		
Statistics and Probability	9 - 11%	6.DPS.1d3		X	X			X			X		X	X	X	X	9%
Geometry	9 - 11%	6.GM.1d1		X		X		X		X			X	X	X	X	9%
											Points:		**7**	**12**	**13**	**3**	

TABLE 14. MATHEMATICS—GRADE 6 FORM B

Domain	Int. % Cvg	CCC	Session 1 Tier 1	Session 1 Tier 2	Session 1 Tier 3	Session 1 Tier 4		Session 2B Tier 1	Session 2B Tier 2	Session 2B Tier 3	Session 2B Tier 4		1 + 2B Tier 1	1 + 2B Tier 2	1 + 2B Tier 3	1 + 2B Tier 4	Act. % Cvg
Ratio and Proportions	28 -32%	6.PRF.1c1		X	X		+		X		X	=		X	X	X	31%
		6.ME.2a2		X		X		X		X			X	X	X	X	
		6.NO.1f1	X		X				X	X			X	X	X X		
Expressions and Equations	17- 23%	6.PRF.1d1	X		X				X		X		X	X	X	X	20%
		6.NO.2a6		X	X			X		X			X	X	X X		
The Number System	28 -32%	6.NO.2c3	X	X					X	X			X	X X	X		29%
		6.NO.1d4	X		X				X	X			X	X	X		
		6.NO.1d2		X	X				X	X				X X	X		
Statistics and Probability	9 - 11%	6.DPS.1d3		X	X			X	X				X	X	X		9%
Geometry	9 - 11%	6.GM.1d1		X		X		X		X			X	X	X	X	11%
											Points:		**7**	**12**	**12**	**4**	

TABLE 15. MATHEMATICS—GRADE 6 FORM C

Domain	Int. % Cvg	CCC	Session 1 Tier 1	Session 1 Tier 2	Session 1 Tier 3	Session 1 Tier 4		Session 2C Tier 1	Session 2C Tier 2	Session 2C Tier 3	Session 2C Tier 4		1 + 2C Tier 1	1 + 2C Tier 2	1 + 2C Tier 3	1 + 2C Tier 4	Act. % Cvg
Ratio and Proportions	28 -32%	6.PRF.1c1		X	X		+	X		X		=	X	X	X X		31.5%
		6.ME.2a2		X		X			X	X				X X	X	X	
		6.NO.1f1	X		X			X	X				X	X	X		
Expressions and Equations	17- 23%	6.PRF.1d1	X		X			X	X				X	X	X		17%
		6.NO.2a6		X	X				X		X			X	X	X	
The Number System	28 -32%	6.NO.2c3	X	X						X	X		X	X	X	X	31.5%
		6.NO.1d4	X		X				X	X			X	X	X X		
		6.NO.1d2		X	X			X		X			X	X	X		
Statistics and Probability	9 - 11%	6.DPS.1d3		X	X				X	X				X X	X		9%
Geometry	9 - 11%	6.GM.1d1		X		X			X	X				X X	X	X	11%
											Points:		**6**	**13**	**12**	**4**	

TABLE 16. MATHEMATICS—GRADE 6 FORM D

Domain	Int. % Cvg	CCC	Session 1 Tier 1	Session 1 Tier 2	Session 1 Tier 3	Session 1 Tier 4		Session 2D Tier 1	Session 2D Tier 2	Session 2D Tier 3	Session 2D Tier 4		1 + 2D Tier 1	1 + 2D Tier 2	1 + 2D Tier 3	1 + 2D Tier 4	Act. % Cvg
Ratio and Proportions	28 -32%	6.PRF.1c1		X	X		+	X		X		=	X	X	X X		29%
		6.ME.2a2		X		X			X	X				X	X	X	
		6.NO.1f1	X		X				X		X		X	X	X	X	
Expressions and Equations	17- 23%	6.PRF.1d1	X		X				X	X			X	X	X X		20%
		6.NO.2a6		X	X			X		X			X	X	X		
The Number System	28 -32%	6.NO.2c3	X	X				X		X			X X	X	X		31%
		6.NO.1d4	X		X			X	X				X	X	X		
		6.NO.1d2		X	X				X		X			X X	X	X	
Statistics and Probability	9 - 11%	6.DPS.1d3		X	X				X	X				X X	X		9%
Geometry	9 - 11%	6.GM.1d1		X		X			X	X				X X	X	X	11%
											Points:		**7**	**13**	**12**	**3**	

TABLE 17. MATHEMATICS—GRADE 7 FORM A

			Session 1					Session 2A					1 + 2A				
Domain	Int. % Cvg	CCC	Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4	Act. % Cvg
Ratio and Proportions	34 - 40%	7.NO.2f1		X	X			X			X		X	X	X	X	37%
		7.NO.2f2	X		X				X	X			X	X	X		
		7.NO.2f6		X	X				X	X				X	X X		
		7.PRF.1f1		X		X		X		X			X	X	X	X	
Expressions and Equations	9 - 11%	7.PRF.1g2		X		X		X		X			X	X	X	X	XX%
The Number System	17- 23%	7.NO.2i1		X	X		+		X	X		=		X X	X X		20%
		7.NO.2i2	X		X				X	X			X	X	X		
Statistics and Probability	9 - 11%	7.DPS.1k1	X		X				X		X		X	X	X	X	9%
Geometry	17- 23%	7.ME.2d1		X	X			X	X				X	X X	X		23%
		7.GM.1h2	X	X					X	X			X	X X	X		
												Points:	**7**	**13**	**12**	**3**	

TABLE 18. MATHEMATICS—GRADE 7 FORM B

			Session 1					Session 2B					1 + 2B				
Domain	Int. % Cvg	CCC	Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4	Act. % Cvg
Ratio and Proportions	34 - 40%	7.NO.2f1		X	X			X	X				X	X X	X		37%
		7.NO.2f2	X		X				X	X			X	X	X		
		7.NO.2f6		X	X				X		X			X	X	X	
		7.PRF.1f1		X		X		X		X			X	X	X	X	
Expressions and Equations	9 - 11%	7.PRF.1g2		X		X		X		X			X	X	X	X	11.5%
The Number System	17- 23%	7.NO.2i1		X	X		+	X		X		=	X	X	X X		20%
		7.NO.2i2	X		X				X		X		X	X	X	X	
Statistics and Probability	9 - 11%	7.DPS.1k1	X		X				X	X			X	X	X X		11.5%
Geometry	17- 23%	7.ME.2d1		X	X				X	X				X X	X		20%
		7.GM.1h2	X	X					X	X			X	X X	X		
												Points:	**7**	**13**	**11**	**4**	

TABLE 19. MATHEMATICS—GRADE 7 FORM C

			Session 1					Session 2C					1 + 2C				
Domain	Int. % Cvg	CCC	Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4	Act. % Cvg
Ratio and Proportions	34 - 40%	7.NO.2f1		X	X				X	X				X X	X X		37%
		7.NO.2f2	X		X			X	X				X	X	X		
		7.NO.2f6		X	X			X		X			X	X	X		
		7.PRF.1f1		X		X			X	X				X	X	X	
Expressions and Equations	9 - 11%	7.PRF.1g2		X		X			X	X				X X	X	X	11.5%
The Number System	17- 23%	7.NO.2i1		X	X		+		X		X	=		X X	X	X	20%
		7.NO.2i2	X		X			X	X				X	X	X		
Statistics and Probability	9 - 11%	7.DPS.1k1	X		X				X	X			X	X	X X		11.5%
Geometry	17- 23%	7.ME.2d1		X	X			X		X			X	X	X X		20%
		7.GM.1h2	X	X						X	X		X	X	X		
												Points:	**6**	**13**	**13**	**3**	

TABLE 20. MATHEMATICS—GRADE 7 FORM D

			Session 1					Session 2D					1 + 2D				
Domain	Int. % Cvg	CCC	Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4	Act. % Cvg
Ratio and Proportions	34 - 40%	7.NO.2f1		X	X				X	X				X	X X		40%
		7.NO.2f2	X		X				X		X		X	X	X	X	
		7.NO.2f6		X	X			X		X			X	X	X X		
		7.PRF.1f1		X		X			X	X				X X	X	X	
Expressions and Equations	9 - 11%	7.PRF.1g2		X		X			X	X				X X	X	X	11%
The Number System	17- 23%	7.NO.2i1		X	X		+	X		X		=	X	X	X		20%
		7.NO.2i2	X		X				X	X			X	X	X X		
Statistics and Probability	9 - 11%	7.DPS.1k1	X		X			X	X				X	X	X		9%
Geometry	17- 23%	7.ME.2d1		X	X				X		X			X X	X	X	20%
		7.GM.1h2	X	X				X		X			X	X	X		
												Points:	**6**	**13**	**13**	**3**	

TABLE 21. MATHEMATICS—GRADE 8 FORM A

Domain	Int. % Cvg	CCC	Session 1 Tier 1	Session 1 Tier 2	Session 1 Tier 3	Session 1 Tier 4	Session 2A Tier 1	Session 2A Tier 2	Session 2A Tier 3	Session 2A Tier 4	1 + 2A Tier 1	1 + 2A Tier 2	1 + 2A Tier 3	1 + 2A Tier 4	Act. % Cvg
Functions	17- 23%	8.PRF.2e2		X	X			X	X			X	X X		20%
		8.PRF.1f2		X		X	X		X		X	X	X	X	
Expressions and Equations	17- 23%	8.PRF.1e2	X		X			X	X		X	X	X		17%
		8.PRF.1g3		X	X			X	X			X	X X		
The Number System	9 - 11%	8.NO.1k3		X	X		X			X	X	X	X	X	11%
Statistics and Probability	17- 23%	8.DPS.1h1		X		X	X		X		X	X	X	X	20%
		8.DPS.1k2	X		X			X	X		X	X	X		
Geometry	28 -32%	8.ME.1e1	X	X				X	X		X	X X	X		32%
		8.GM.1g1		X	X		X	X			X	X X	X		
		8.ME.2d2	X		X			X		X	X	X	X	X	
										Points:	**7**	**12**	**12**	**4**	

TABLE 22. MATHEMATICS—GRADE 8 FORM B

Domain	Int. % Cvg	CCC	Session 1 Tier 1	Session 1 Tier 2	Session 1 Tier 3	Session 1 Tier 4	Session 2B Tier 1	Session 2B Tier 2	Session 2B Tier 3	Session 2B Tier 4	1 + 2B Tier 1	1 + 2B Tier 2	1 + 2B Tier 3	1 + 2B Tier 4	Act. % Cvg
Functions	17- 23%	8.PRF.2e2		X	X			X		X		X X	X	X	23%
		8.PRF.1f2		X		X	X		X		X	X	X	X	
Expressions and Equations	17- 23%	8.PRF.1e2	X		X			X		X	X	X	X	X	17%
		8.PRF.1g3		X	X		X		X		X	X	X X		
The Number System	9 - 11%	8.NO.1k3		X	X		X	X			X	X X	X		11%
Statistics and Probability	17- 23%	8.DPS.1h1		X		X	X		X		X	X	X	X	20%
		8.DPS.1k2	X		X			X	X		X	X	X		
Geometry	28 -32%	8.ME.1e1	X	X				X	X		X	X	X		29%
		8.GM.1g1		X	X			X	X			X	X X		
		8.ME.2d2	X		X			X	X		X	X	X X		
										Points:	**7**	**12**	**13**	**3**	

TABLE 23. MATHEMATICS—GRADE 8 FORM C

			Session 1					Session 2C					1 + 2C				
Domain	Int. % Cvg	CCC	Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4	Act. % Cvg
Functions	17- 23%	8.PRF.2e2		X	X			X		X			X	X	X		20%
		8.PRF.1f2		X		X			X	X				X X	X	X	
Expressions and Equations	17- 23%	8.PRF.1e2	X		X			X	X				X	X	X		17%
		8.PRF.1g3		X	X				X		X			X	X	X	
The Number System	9 - 11%	8.NO.1k3		X	X				X	X				X	X X		9%
Statistics and Probability	17- 23%	8.DPS.1h1		X		X	+		X	X		=		X X	X	X	23%
		8.DPS.1k2	X		X			X	X				X X	X	X		
Geometry	28 -32%	8.ME.1e1	X	X						X	X		X	X	X	X	3X%
		8.GM.1g1		X	X			X		X			X	X	X X		
		8.ME.2d2	X		X				X	X			X	X	X X		
											Points:		**7**	**12**	**13**	**3**	

TABLE 24. MATHEMATICS—GRADE 8 FORM D

			Session 1					Session 2D					1 + 2D				
Domain	Int. % Cvg	CCC	Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4	Act. % Cvg
Functions	17- 23%	8.PRF.2e2		X	X			X		X			X	X	X		17%
		8.PRF.1f2		X		X			X	X				X	X	X	
Expressions and Equations	17- 23%	8.PRF.1e2	X		X				X	X			X	X	X X		23%
		8.PRF.1g3		X	X			X		X			X	X	X X		
The Number System	9 - 11%	8.NO.1k3		X	X				X	X				X	X X		9%
Statistics and Probability	17- 23%	8.DPS.1h1		X		X	+		X	X		=		X X	X	X	20%
		8.DPS.1k2	X		X				X		X		X	X	X	X	
Geometry	28 -32%	8.ME.1e1	X	X				X		X			X X	X	X		31%
		8.GM.1g1		X	X				X		X			X X	X	X	
		8.ME.2d2	X		X			X	X				X	X	X		
											Points:		**7**	**12**	**13**	**3**	

TABLE 25. MATHEMATICS—GRADE XX FORM A

			Session 1					Session 2A					1 + 2A					
Domain	Int. % Cvg	CCC	Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4	Act. % Cvg
Algebra and Functions	47-52%	H.PRF.2bX		X	X			X	X				X	X X	X		51%
		H.PRF.2b2	X		X				X	X			X	X	X		
		H.ME.Xb2		X	X				X		X			X X	X	X	
		H.PRF.XcX		X		X		X		X			X	X	X	X	
		H.PRF.2cX	X		X				X	X			X	X	X X		
Number and Quantity	17- 23%	H.ME.Xa2		X	X		+		X	X		=		X X	X X		20%
		H.NO.XaX	X	X					X	X			X	X	X		
Statistics and Probability	17- 23%	H.DPS.XbX		X		X		X		X			X	X	X	X	20%
		H.DPS.XcX	X		X				X		X		X		X	X	
Geometry	9 - 11%	H.GM.XbX		X	X			X		X			X	X	X X		9%
												Points:	**7**	**12**	**13**	**3**	

TABLE 26. MATHEMATICS—GRADE 11 FORM B

			Session 1					Session 2B					1 + 2B					
Domain	Int. % Cvg	CCC	Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4	Act. % Cvg
Algebra and Functions	47-52%	H.PRF.2b1		X	X			X			X		X	X	X	X	49%
		H.PRF.2b2	X		X				X	X			X	X	X X		
		H.ME.1b2		X	X				X	X				X X	X		
		H.PRF.1c1		X		X		X		X			X	X	X	X	
		H.PRF.2c1	X		X				X		X		X	X	X	X	
Number and Quantity	17- 23%	H.ME.1a2		X	X		+	X	X			=	X	X X	X		22%
		H.NO.1a1	X	X					X	X			X	X X	X		
Statistics and Probability	17- 23%	H.DPS.1b1		X		X		X		X			X	X	X	X	20%
		H.DPS.1c1	X		X				X	X			X	X	X X		
Geometry	9 - 11%	H.GM.1b1		X	X				X	X				X	X X		9%
												Points:	**6**	**13**	**13**	**3**	

TABLE 27. MATHEMATICS—GRADE 11 FORM C

			Session 1					Session 2C					1 + 2C				
Domain	Int. % Cvg	CCC	Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4	Act. % Cvg
Algebra and Functions	47-52%	H.PRF.2b1		X	X				X	X				X X	X X		52%
		H.PRF.2b2	X		X			X	X				X	X	X		
		H.ME.1b2		X	X			X		X			X	X	X X		
		H.PRF.1c1		X		X			X	X				X X	X	X	
		H.PRF.2c1	X		X				X	X			X	X	X		
Number and Quantity	17- 23%	H.ME.1a2		X	X		+	X		X		=	X	X	X X		20%
		H.NO.1a1	X	X						X	X		X	X	X	X	
Statistics and Probability	17- 23%	H.DPS.1b1		X		X			X	X				X	X	X	17%
		H.DPS.1c1	X		X			X	X				X	X	X		
Geometry	9 - 11%	H.GM.1b1		X	X				X		X			X X	X	X	11%
											Points:		**6**	**13**	**12**	**4**	

TABLE 28. MATHEMATICS—GRADE 11 FORM D

			Session 1					Session 2D					1 + 2D				
Domain	Int. % Cvg	CCC	Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4		Tier 1	Tier 2	Tier 3	Tier 4	Act. % Cvg
Algebra and Functions	50%	H.PRF.2b1		X	X				X	X				X	X X		52%
		H.PRF.2b2	X		X				X		X		X	X	X	X	
		H.ME.1b2		X	X			X		X			X	X	X X		
		H.PRF.1c1		X		X			X	X				X X	X	X	
		H.PRF.2c1	X		X			X	X				X	X	X		
Number and Quantity	17- 23%	H.ME.1a2		X	X		+		X		X	=		X X	X	X	X7%
		H.NO.1a1	X	X				X		X			X	X	X		
Statistics and Probability	17- 23%	H.DPS.1b1		X		X			X	X				X X	X	X	20%
		H.DPS.1c1	X		X				X	X			X	X	X		
Geometry	9 - 11%	H.GM.1b1		X	X			X		X			X	X	X X		11%
											Points:		**6**	**13**	**13**	**3**	