

Pre-Algebra
Pacing Guide
Grayling Middle School

Day	In-Class Work	Homework	Resources	Unit Objectives	Standards
Unit 1				Data Interpretation	D.AN.08.01 - 02
1	GO-1 to 3	GO-4 to 6	Sticky notes, poster paper		
2	GO-7 to 11	GO-12 to 16	Resource page		
3	GO-17 to 20	GO-21 to 26			
4	GO-27 to 32	GO-33 to 39	Resource page		
5	GO-40 to 44	GO-45 to 52			
6	Quiz				
7	GO-53 to 57	GO-58 to 62			
8	GO-63 to 65	GO-66 to 69			
9	GO-70 to 71	GO-72 to 78	Classified ads, graph paper, resource page		
10	GO-79	GO-80 to 86	Graph paper		
11	GO-87 to 88	GO-89 to 96	Resource page		
12	Unit 1 Team Test				
Unit 2				Integer Operations and Graphing Equations	N.ME.08.02
13	FT-1 to 2	FT-3 to 8	Resource pages, poster paper, envelopes, sticky dots, index cards		
14	FT-10 to 17	FT-18 to 25	Envelopes, graph paper, resource page, play money		
15	FT-26 to 30	FT-31 to 36	Integer tiles		
16	Unit 1 Individual Test				
17	FT-37 to 44	FT-45 to 51	Graph paper, integer		

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			tiles, resource page		
18	FT-52 to 57	FT-58 to 65	Graph paper, integer tiles		
19	FT-66 to 69	FT-70 to 76	Graph paper, integer tiles, resource pages		
20	FT-77 to 79	FT-80 to 85	Resource pages, integer tiles		
21	FT-86 to 92	FT-93 to 97	Graph paper, integer tiles		
22	Quiz				
23	FT-98 to 107	FT-108 to 116	Integer tiles		
24	FT-117 to 122	FT-123 to 128	Graph paper, resource page		
25	FT-129 to 133	FT-134 to 140	Graph paper, resource pages		
26	Unit 2 Team Test				
Unit 3				Probability and Fractions	N.ME.08.03 D.PR.08.03 - 06
27	MD-0 to 4 (relative frequency, independent & dependent events, Basic Counting Principle)	MD-5 to 10	Resource pages, paper clips		
28	MD-11 to 16	MD-17 to 23			
29	MD-24 to 30	MD-31 to 39			
30	Unit 2 – Individual Test				
31	MD-40 to 45	MD-46 to 51	Resource pages, paper clips		

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32	MD-52 to 56	MD-57 to 65			
33	MD-66 to 70	MD-71 to 79	Resource page, paper clips		
34	Quiz				
35	MD-80 to 84	MD-85 to 90	Large number line, resource pages		
36	MD-91 to 96	MD-97 to 103	Resource page, paper clips		
37	MD-104 to 111	MD-112 to 118	Resource pages		
38	MD-119 to 121	MD-122 to 128	Resource pages, dice		
39	Unit 3 Team Test				
Unit 4				Algebraic Sentences	A.FO.08.07
40	GC-1 to 5	GC-6 to 12	Resource page, envelope		
41	GC-13 to 17	GC-18 to 25			
42	GC-26 to 31	GC-32 to 38	Resource page		
43	Unit 3 – Individual Test				
44	GC-39 to 45	GC-46 to 53	Algebra tiles		
45	GC-54 to 57	GC-58 to 63	Algebra tiles		
46	GC-64 to 71	GC-72 to 78	Graph paper, resource page		
47	Quiz				
48	GC-79 to 83	GC-84 to 90	Resource page		
49	GC-91 to 94	GC-95 to 101	Resource page		
50	GC-102 to 108	GC-109 to 115	Square tiles, graph paper, resource page		
51	GC-116 to 119	GC-120 to 125	Poster paper, markers		
52	GC-126 to 128	GC-129 to 135			

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53	Unit 4 Team Test				
54	Review				
55	Review				
56	Trimester 1 Exam				
Unit 5					A.FO.08.07 A.FO.08.11
57	MC-1 to 5	MC-6 to 11		Write and solve multiple types of equations Simplify expressions using the Distributive Property Investigate inverse operations	
58	MC-13 to 15	MC-16 to 22			
59	MC-25 to 29	MC-30 to 35			
60	Unit 4 – Individual Test				
61	MC-36, 37, 43, 44	MC-45 to 47			
62	MC-38 to 42	MC-48 to 51	2-pan balance 20 identical objects Cups & tiles Balance scale Resource page (38-42) Balance scale transparency		
63	MC-52 to 59	MC-60 to 67	Cups & tiles Balance scale resource page (54-56)		

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			transparency		
64	MC-70 to 73	MC-75 to 77	Graph paper Straightedge Film developing resource page (74)		
65	Quiz				
66	MC-74, 78	MC-79 to 81			
67	MC-82 to 84	MC-88, 89, 91, 92	Overhead Algebra tiles		
68	MC-85, 86, 87	MC-90, 93, 94, 95			
69	MC-97 to 100	MC-101 to 107			
70	MC-108 to 110, 112, 113	MC-115 to 119	Graph paper Rulers Colored pencils Transparency (108) t-shirt resource page (108 – 110)		
71	MC-120 to 122	MC-123 to 130	Type Writing (111 & 114)		
72	Unit 5 Team Test				
Unit 6					N.ME.08.04 N.FL.08.11 G.TR.08.09 G.TR.08.10 G.SR.08.03 G.SR.08.05
73	RS-0 to 5	RS-11, 13, 15		Find the area of: parallelogram, triangles, trapezoids & circles	

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				Find the circumference of circles Reduce & enlarge figures Write ratios to compare items Write and solve proportions Similar figures	
74	RS-6 to 10	RS-12, 14			
75	RS-17 to 23	RS-24 to 27, 29, 30			
76	Unit 5 Individual Test				
77	RS-31 to 34	RS-38, 39, 40, 41	Area resource page (34, 37, 38) Scissors Tape rulers		
78	RS-36, 37, 43	RS-42, 44, 45	Type Writing (35)		
79	RS-46 to 50	RS-51 to 53, 56	Area resource page Scissors Tape ruler		
80	RS-55, 57 to 59	RS-68 to 71	Large data table (57) Circular items (1 per team) Flexible measurement tape (mm)		
81	RS-60 to 63	RS-64, 65, 66, 67	Caterpillar Project		

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			resource page		
82	Quiz				
83	RS-72 to 77 (reflective and dilation)	RS-78 to 84	Dot paper Enlargement/reduction transparency Resource page (72 & 73)		
84	RS-85 to 91	RS-92 to 95	Pattern blocks or resource page Dot paper		
85	RS-99 to 105	RS-106 to 112			
86	RS-113 to 117	RS-118 to 121, 125			
87	RS-126 to 129 (130 E.C)	RS-132 to 137			
88	RS-140 to 147	RS-148 to 153			
89	Unit 6 Team Test				
Unit 7					N.MR.08.07 - 09
90	CT-1 to 7	CT-9, 10, 12 to 16		Divide fractions Find percentages Use formulas to solve problems Solve literal equations Solve equations that have a fraction as a coefficient of x	
91	CT-17 to 21	CT-22 to 25, 28 to 30			
92	CT-32 to 39	CT-41 to 43			
93	Unit 6 – Individual	CT-45, 46, 48 (49			

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	Test	E.C.)			
94	CT-66 to 71	CT-72 to 75, 77 to 79	Snack bar resource page (70)		
95	CT-82 to 87	CT-88 to 93, 94(a,c)			
96	CT-97 to 104	CT-105 to 110			
97	Quiz				
98	CT-112 to 117	CT-118 to 124			
99	CT-128 to 130	CT-132 to 136, 138, 139	Resource page (138)		
100	CT-141, 142 (a-e), 143 to 146	CT-149, 150, 151, 152			
101	Unit 7 Team Test	GS-0 to 2,8,9			
Unit 8					N.ME.08.04 G.SR.08.06 – 08 G.SR.08.04 G.GS.08.01 G.LO.08.02 N.ME.08.01 N.FL.08.06
102	GS-3 to 7	GS-10 to 14	Graph paper Ruler scissors	Identify right triangles Develop & use Pythagorean Theorem Utilize subproblems Find surface area & volume of prisms & cylinders	
103	GS-16 to 23	GS-24 to 28	Graph paper Table resource page		

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			(17)		
104	GS-29 to 34	GS-35 to 39			
105	Unit 7 – Individual Test	GS-55, 56, 62 to 64			
106	GS-41 to 43	GS-45 to 51	Graph paper Resource page (41)		
107	GS-53, 54, 57, 58	GS-59 to 61	Square tiles		
108	GS-66, 67	GS-69 to 73 (74 E.C.)	Scissors Tape Prisms resource page		
109	GS-75 to 80	GS-81, 83, 85			
110	Quiz				
111	GS-86 to 89 (pyramids)	GS-90 to 97			
112	Warm up: 98 to 102 GS-103 to 107	GS-108 to 113	Transparencies (2) Small objects (rice, beans, popcorn kernels)		
113	GS-115 to 121	GS-123 to 126			
114	GS-128, 129 (spheres)	GS-130 to 133	Type Writing (122)		
115	Unit 8 Team Test	GS-134 to 139			
116	Review				
117	Review				
118	Trimester 2 Exam				
Unit 9					A.FO.08.12 -13
119	CB-1 to 7	CB- 10, 11			
120	CB-13, 14, 17, 18, 20	CB-21, 24			
121	CB-27 to 29	CB-30, 31, 32			

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122	Unit 8 – Individual Test				
123	CB-36 to 40	CB-41, 48			
124	CB-49 to 52	CB-53, 55 to 57			
125	CB-59, 63 to 66	CB-67,68,71,73,74			
126	CB-78 to 84	CP-85 to 87			
127	CB-88 to 93 (two variable inequalities)	CB-96 to 100			
128	Unit 9 Team Test	CB-101,102,107 to 114			
Unit 10					A.RP.08.06
129	MG-1 to 2	MG- 3 to 9			
130	MG-10 to 14	MG-15 to 21			
131	MG-22 to 31				
132	Unit 9 – Individual Test				
133	MG-33 to 37	MG-38 to 43			
134	MG-44 to 49	MG-50 to 58			
135	MG-59 to 64	MG-65 to 72			
136	MG-73 to 74	MG-75 to 80			
137	MG-81	MG-82 to 90			
138	MG-91	MG-92 to 98			
139	MG-99 to 100	MG-102 to 108			
140	Unit 10 Team Test				
141	Review				
142	Unit 10 – Individual Test				
143	Weighted Averages				
144	Weighted Averages				

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145	Understand equations				A.FO.08.10
146	Understand equations				A.FO.08.10
147	Quadratic expressions				A.FO.08.08
148	Quadratic equations				A.FO.08.08 A.FO.08.09
149	Quadratic equations				A.FO.08.08 A.FO.08.09
150	Quiz				
151	Non-linear Functions				A.RP.08.01 - 04
152	Non-linear Functions				A.RP.08.01 -04
153	Non-linear Functions				A.RP.08.01 -04
154	Non-linear Functions				A.RP.08.01 -04
156	Non-linear Functions				A.RP.08.01 -04
157	Non-linear Functions				A.RP.08.01 -04
158	Non-linear Functions				A.RP.08.01 -04
159	Non-linear Functions				A.RP.08.01 -04
160	Quiz				
161	Quadratic Functions				A.RP.08.05 - 06

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162	Quadratic Functions				A.RP.08.05 – 06
163	Quadratic Functions				A.RP.08.05 – 06
164	Quadratic Functions				A.RP.08.05 – 06
165	Quiz				
166	Review				
168	Review				
170	Trimester 3 Exam				