

Grade 5 Math Scope and Sequence

			FARMINGDALE UNION FREE SCHOOL DISTRICT				
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			GRADE 5 MATHEMATICS SCOPE AND SEQUENCE				
			TEXTBOOKS: Applications and Concepts Course 1				
			Glencoe 2006				
			WORKBOOK: Measuring Up Second Edition Level E 2006				
Lesson #	Date	Unit	Aim/Objective	Indicator	Glencoe Text	Measuring Up	Optional Resources
			Chapter 1: Number Patterns and Algebra				
		1-1	What is the 4 step plan for problem solving?	5PS3	6-9		
		1-2	What are the divisibility rules?	5N14	10-13		
		1-3	What are prime factors?	5N12	14-17	28-29	
		1-4	What are powers and exponents?	6N23	18-21		
		1-5	What is the order of operations?	5N18	24-27	36-37	
		1-6	How do we evaluate algebraic expressions?	5A1, 5A2, 5A3	28-31	72-73	
		1-7A	What is the guess and check problem solving strategy?	5PS12	32-33		
			Review		42-47		

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Lesson #	Date	Unit	Aim/Objective	Indicator	Glencoe Text	Measuring Up	Optional Resources
			Test				
			Chapter 2: Statistics and Graphs				
		2-1	How do we collect and record data using charts and frequency tables?	5S1	50-53	178-179	
		2-2A	How do we formulate conclusions and make predictions from bar and line graphs?	5S4	54-55	184-185	
		2-2	How do we display data in a line graph to show and increase or decrease over time?	5S2	56-61	180-181	
		2-3	How do we interpret circle graphs?	5S1	62-65		
		2-4	How do we formulate conclusions and make predictions from graphs?	5S4	66-69		
		2-6	How do we calculate the mean for a given set of data and use the mean to describe a set of data?	5S3	76-79	182-183	
		2-8	How do we formulate conclusions and make predictions from graphs?	5S4	86-89		
			Review		90-95		
			Test				
			Pre Chapter 3				
			How do we read and write numbers to millions?	5N1	586	2-3	

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Lesson #	Date	Unit	Aim/Objective	Indicator	Glencoe Text	Measuring Up	Optional Resources
			How do we write whole numbers to millions in expanded notation, and understand place value to millions?	5N3	587		
			How do we compare and order numbers to millions?	5N2	588	4-7	
			Chapter 3: Adding and Subtracting Decimals				
		3-1A; 3-1	How do we read and write decimals to the thousandths?	5N8	100-105	16-17	
		3-2	How do we compare and order decimals to the thousands using $>$, $<$, and $=$?	5N8	108-110		
		3-3	How do we round decimals?	5N24	111-113	48-49	
		3-4	How do we estimate sums and differences of decimals?	5N26	116-119	52-53	
		3-5	How do we add and subtract decimals?	5N23	121-126	46-47	
			Review		127-131		
			Test				
			Pre Chapter 4				
			How do we multiply a three digit number by a three digit number?	5N16	590	32-33	
			How do we divide a three digit number by a one or two digit number?	5N17	591	34-35	

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Lesson #	Date	Unit	Aim/Objective	Indicator	Glencoe Text	Measuring Up	Optional Resources
			Chapter 4: Multiplying and Dividing Decimals				
		4-1A	How do we multiply decimals by whole numbers?	5N23	134	46	
		4-1	How do we multiply decimals by whole numbers?	5N23	135-138		
		4-2A	How do we multiply decimals by decimals?	5N23	139-140		
		4-2	How do we multiply decimals by decimals?	5N23	141-143		
		4-3	How do we divide decimals by whole numbers?	5N23	144-147	47	
		4-4A	How do we divide by decimals?	5N23	150-151		
		4-4	How do we divide by decimals?	5N23	152-155		
		4-4B	How do we justify the reasonableness of answers using estimation?	5N27	156-157	54-55	
		4-5	How do we find the perimeter of rectangles and squares?	5A6 5G1	158-160	82-83; 102-103	
			Review		166-171		
			Test				
			Chapter 5: Fractions and Decimals				
		5-1	How do we find the greatest common factor?	5N15	176-180	30-31	
		5-2a	How do we simplify fractions?	5N19	181	8-9	

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Lesson #	Date	Unit	Aim/Objective	Indicator	Glencoe Text	Measuring Up	Optional Resources
		5-2	How do we simplify fractions?	5N4 5N19	182-185	38-39	
		5-3	How do we convert mixed numbers to improper fractions and improper fractions to mixed numbers?	5N20	186-189	40-41	
		5-4A	How do we make an organized list as a problem solving strategy??	5PS15	192-193		
		5-4	How do we find the least common multiple?	5N13	194-197	26-27	
		5-5	How do we compare and order fractions?	5N5 5N9	198-201	10-11;18-19	
		5-6	How do we write decimals as fractions?	5CN4	202-205		
		5-7	How do we write fractions as decimals?	5CN4	206-209		
			Review		210-215		
			Test				
			Chapter 6: Adding and Subtracting Fractions				
		6-1A; 6-1	How do we round fractions and mixed numbers?	5N24	218-222		
		6-2	How do we estimate sums and differences of fractions and mixed numbers?	5N25	223-225	50-51	
		6-2B; 6-3	What strategies can we use to add and subtract fractions with like denominators?	5N21; 5RP2	226-231	42-43; 58-59	

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Lesson #	Date	Unit	Aim/Objective	Indicator	Glencoe Text	Measuring Up	Optional Resources
		6-5	How do we add and subtract mixed numbers with like denominators?	5N22	240	44-45	
		6-6	How do we subtract mixed numbers with renaming?				
			Review				
			Test				
			Chapter 7: Multiplying and Diving Fractions				
		7-6A	How do we analyze problems by observing patterns?	5PS14	280-281	86-87	
		7-6	How do we create and explain patterns and algebraic relationships algebraically?	5A7	282-284	84-85	
			How do we create and explain patterns and algebraic relationships?	5A7	282-283	86-87	
			Review				
			Test				
		TOPIC:	Chapter 9: Equation Solving				
		1-6	How do we evaluate algebraic expressions?	5A1, 5A2, 5A4	28-31	74-76	
		1-7	What is the difference between an equations and an algebraic expression?	5A4	34-37	78-81	

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Lesson #	Date	Unit	Aim/Objective	Indicator	Glencoe Text	Measuring Up	Optional Resources
		9-2A	How do we solve and check addition equations?	5A4, 5A5	339-342		
			Practice solving and checking addition equations.	5A4, 5A5	339-342		
		9-3	How do we solve and check subtraction equations?	5A4, 5A5	344-347		
			Practice solving and checking subtraction equations	5A4, 5A5	344-347		
		9-4	How do we solve and check multiplication equations?	5A4, 5A5	350-352		
			Practice solving and checking multiplication equations.	5A4, 5A5			
			How do we solve and check division equations?	5A4, 5A5	353		
			Practice solving and checking one step equations.	5A4, 5A5			
			Review				
			Test				
		9-5	How do we solve and check 2 step equations?		355-357		
			Practice solving and checking 2 step equations.		355-357		
			Practice solving and checking one and two step equations.				
			Review equation solving.				
			Test on equation solving				

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Lesson #	Date	Unit	Aim/Objective	Indicator	Glencoe Text	Measuring Up	Optional Resources
			Chapter 10: Ratio, Proportion and Percent				
		10-1	How can ratios be expressed in different forms?	5N6, 5N7	380-381	12-15	
		10-4	How can percents be written as part of a whole?	5N11	395-397	22-23	
		10-5	How do we write percents as fractions?	5N11	400-403		
			How do we write fractions as percents?	5N11	400-403		
		10-6	How do we write percents as decimals and decimals as percents?	5N11	404-406		
		10-7	How do we find the percent of a number?	5N11	409-412		
		10-8A	How can you use mental math to solve word problems involving percent?	5PS3	413-414		
		10-8	How do you use estimation to solve problems with percents?	5N27	415-417		
			Review	418-423			
			Test				
			Chapter 12: Measurement				
		12-1	How do we identify customary equivalent units of length?	5M2	465-467	144-145	

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Lesson #	Date	Unit	Aim/Objective	Indicator	Glencoe Text	Measuring Up	Optional Resources
		12-1	How do we use a ruler to measure to the nearest 1/2, 1/4 and 1/8 inch?	5M1, 5R3	465-467	142-143	
		12-3A	How do we measure to the nearest centimeter?	5M3	474-475	146-147	
		12-3	How do we determine what tool and technique to use to measure with an appropriate level of precision?	5M6	476-479	152-153	
		12-3	How do we determine personal references for metric units of length?	5M6	476-479	160-161	
		12-3B	How do we determine what tool and technique to use to measure with an appropriate level of precision?	5M6	480-481	152-153	
		12-4B	How do we use given mathematical information/given benchmarks to solve problems?	5CN3, 5PS5	488	164-165	
		12-4B	How do we determine personal references for units of length?	5M9, 5M11	489	158-159; 162-163	
		12-5	How do we identify equivalent metric units of length?	5M4, 5PS8	490-493	150-151	
		12-5	How do we convert units of length within the metric system?	5M5	490-493	150-151	
		12-6	How do we calculate elapsed time in hours and minutes?	5M7, 5R3	494	154-155	
			Review	498-503			

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Lesson #	Date	Unit	Aim/Objective	Indicator	Glencoe Text	Measuring Up	Optional Resources
			Test				
			Chapter 13				
		13-1	How do we classify, measure and draw angles using a protractor?	5M8	506-509	156-157	
		13-2	How do we draw angles and estimate the measures of angles?	5M8	510-512		
		13-4	How do we classify polygons? How do we find the sum of the interior angles of quadrilaterals?	5G4, 5G5, 5G6	522-525	108-111	
		13-4B	How do we use the properties and characteristics of quadrilaterals and triangles?	5G6, 5G7, 5G8	526-527	112-117	
		13-5	How do describe and define lines of symmetry?	5G11	528-531	120-121	
		13-6	How do we determine congruence and similarity?	5G2, 5G9, 5G10	534-536	104-105; 118-129	
			How do you identify the ratio of corresponding sides of similar triangles?	5G3		106-107	
			Review				
			Test				
		TOPIC	Pull It Altogether!				
			How do we put fractions, decimals and percents on the number line?				
			Practice, Practice, Practice!				

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Lesson #	Date	Unit	Aim/Objective	Indicator	Glencoe Text	Measuring Up	Optional Resources
			MAY-JUNE TOPICS - Exit Assessment				
		TOPIC:	Chapter 8 Continued: Graphing Points on the Coordinate Plane				
		8-6	How do we graph ordered pairs of numbers on a coordinate plane? (include all 4 quadrants)	5G12	320-323	122-123	
		8-6	Practice graphing ordered pairs of numbers.	5G12	320-323	122-123	
		8-6	Practice graphing ordered pairs of numbers.	5G12	320-323	122-123	
		8-6	How do we plot points to form basic geometric shapes?	5G13		124-125	
		8-6	How do we calculate the perimeter of figures on a coordinate plane?	5G14		126-127	
		8-6	Create pictures on a coordinate plane, and list the coordinate pairs of numbers				
			Review				
			Test				
			Chapter 11: Probability				
		11-1	What is probability?	5PS7, 5S6, 5S7	428-431	190-191	

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Lesson #	Date	Unit	Aim/Objective	Indicator	Glencoe Text	Measuring Up	Optional Resources
		11-1	Practice probability recording results as fractions and decimals	5S7	428-431		
		11-1	Practice probability	5S7, 5CN5	428-431	198-199	
		11-2	How do we list outcomes using a sample space?	5S5	433-436	186-187	
		11-2	How do we determine outcomes using a tree diagram?	5PS13, 5S5	433-436	192-193	
		11-2	How do we list outcomes using both a sample space and tree diagram?	5S5, 5R1		200-201	
			Review				
			Test				
OPTIONAL TOPICS							
		TOPIC:	Fractions - Chapter 6 and 7 Continued				
		6-4	How do we add fractions with unlike denominators?	6N16	235-238		
		6-4	Practice adding fractions with unlike denominators	6N16	235-238		
		6-4	How do we add mixed numbers with like and unlike denominators?	5N22	240-243		
		6-5	Practice adding mixed numbers with like and unlike denominators	5N22	240-243		
		6-7	How do we subtract fractions with unlike denominators?	6N16	235-238		

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Lesson #	Date	Unit	Aim/Objective	Indicator	Glencoe Text	Measuring Up	Optional Resources
		6-8	Practice subtracting fractions with unlike denominators.	6N16	235-238		
		6-5	How do we subtract mixed numbers with like denominators?	5N22	240-243		
		6-6	How do we subtract mixed numbers with renaming?	6N18	244-247		
		6-6	Practice subtracting mixed numbers with like and unlike denominators.	6N18	244-247		
		7-2	How do we multiply fractions? (include canceling)	6N17	261-264		
		7-3	How do we multiply mixed numbers?	6N18	265-267		
		7-4	How do we divide fractions?	6N17	272-275		
		7-5	How do we divide mixed numbers?	6N18	276-279		
			Practice adding, subtracting, multiplying and dividing fractions.				
			Review		248-251		
			Test				
		TOPIC:	Chapter 8 Signed Integers				
		8-1	How do we identify, graph, order and compare integers?	5N2	294-298		
		8-2A	How do we use two color chips to understand zero pairs?	5CN5	299		
		8-2	How do we combine integers?	7N13	300-303		

