Compass/Intervention Probes – Math
Grade – 4th

Operations and Algebraic Thinking

RTI Probe	Common Core (NY Performance Indicator)	# of Activities	Support at Previous Grade Levels	Notes
Math 4 Inverse Operations X and ÷	4.OA.1 (NY 4.N.17)	10		Using X and ÷ as inverse operations to solve problems
Math 4 Using Open Sentences	4.OA.3 (NY 4.a.1)	8		Evaluate and express relationships using open sentences
Math 4 Interpret Meaning of Remainders	4.OA.3 (NY 4.N.22)	5		
Math 4 Use Symbols to Compare and Find the Value of Open Sentences	4.OA.5 (NY 4.a.2)(NY 4.A.3)	6		Use symbols to compare and find the value of open sentences with whole numbers.

Geometry

RTI Probe	Common Core (NY Performance Indicator)	# of Activities	Support at Previous Grade Levels	Notes
Math 4 Lines of Symmetry	4.G. 3 (NY 3.G.5)	7		Identify and construct lines of symmetry
Math 4 Identify & Draw Lines of Symmetry	4.G.3 (NY 5.G.11)	4		

Compass/Intervention Probes – Math
Grade – 4th

Numbers and Operations in Base 10

RTI Probe	Common Core (NY Performance Indicator)	# of Activities	Support at Previous Grade Levels	Notes
Math 4 Read & Write Numbers to 10,000	4.NBT.2 (NY 4.N.2)	11	2nd	Read and write whole number to 10,000
Math 4 Comparing Unit Fractions and Decimals	4.NBT.2 (NY 4.A.2)	6	3rd	Use symbols to compare unit fractions and decimals.
Math 4 Add and Subtract Numbers up to 10,000	4.NBT.4 (NY 4.N.14)	12	3rd, 2nd	Variety of strategies to add and subtract numbers up to 10,000
Math 4 Multiply 2-digit by 1-digit Numbers	4.NBT.5 (NY 4.N.18)	3		
Math 4 Multiply 2-digit by 2-digit Numbers	4.NBT.5 (NY 4.N.19)	5		
Math 4 Fluency Multiplying and Dividing by Multiples of 10, 100, etc.	4.NBT.1 (NY 4.N.20)	3		

Numbers and Operations - Fractions

RTI Probe	Common Core (NY Performance Indicator)	# of Activities	Support at Previous Grade Levels	Notes
Math 4 Add and Subtract Fractions with Common Denominators	4.NF.3 (NY 4.N.23)	6		
Math 4 Compare and Order Fractions	4.NF.2 (NY 5.N.05)	6		Student may need pencil and paper or notebook.

Compass/Intervention Probes – Math
Grade – 4th

Math 4 Simplify Fractions to Lowest Terms	4.NF.1 (NY 5.N.19)	6		Student may need pencil and paper or notebook.
Math 4 Converting Improper Fractions	4.NF.3.c (NY 5.N.20)	6		Convert improper fractions to mixed numbers and vice versa. Student may need pencil and paper or notebook.

Measurement and Data

RTI Probe	Common Core (NY Performance Indicator)	# of Activities	Support at Previous Grade Levels	Notes
Math 4 Equivalent Standard Units of Length	4.MD.1 (NY 4.M.3)	4	3rd	
Math 5 Find the Missing Angle of a Triangle	4.MD.7 (NY 5.G.8)	4		
Math 4 Perimeters Regular & Irregular Polygons	4.MD.3 (NY 5.G.1)	6	4th	Calculate perimeters. Student may need pencil and paper or notebook