

Unit #	Content	Essential questions	Objectives Skills Processes	Vocabulary	Assessment	Resources Chapters / Sections	Mn Standard & Benchmarks	Estimate # of days on Unit
Unit 1	Number Theory	How do numbers compare to each other? What are whole numbers and their properties?	fact families, factors and factiozation, prime vs composite, square and unsquaring numbers, square roots	<u>place value</u> , prime, composite, factor, array, communitative property, square, product, quotient, square roots, exponents	Unit 1 test, individual check off- Will work build on these skills all year long.	Lots of supplimental worksheets and Accel Math	5.2.2.1- lesson 1.2	EDM- 8 days (in addition to EDM days) Stations - 7-10 days
Unit 2	Estimation and Computation	How will estimation help me to solve my problem? How big is a million, billion, trillion?	estimation, adding and subtracting with decmils, multiplication, data analysis	differnce, estimate, expanded notation, <u>maximum, mean, median, minimum</u> , mode, number sentence, <u>range</u> , solution, value	Unit 2 test, individual check-off- will need to use estimation in many other assesments	Lots of supplimental worksheets and Accel Math	5.1.1.3- lessons- 2.2, 2.3,2.4,2.6 and 2.10 5.1.1.4 lessons 2.4,2.5,2.6,2.7,2.8,2.10 5.1.3.1 lessons 2.2, 2.3 5.1.3.3 lessons 2.2,2.3 and 5.1.3.4- lesson 2.4	EDM-10 days (in addition to EDM days)Stations-8-10 days
Unit 3	Geometry	What are the different properties of geometric shapes and how do they relate to each other?	measuring angles, polygons and their properties, creating tessellations, plane and plane figures, relationships between shapes	acute, obtuse, adjacent, congruent, diameter, equilateral, isosceles, obtuse, perimeter, radius, reflex, regular polygon, right angle, scalene, staright angle, tessellate	Unit 3 test, individual check-off- further evaluation in chapter 9/11	Lots of supplimental worksheets and Accel Math	5.3.2.1 lessons 3.9,3.10	EDM-10 days (in addition to EDM days)Stations -10-12 days
Unit 4	Division	How do I divide multidigit numbers? What impact do decmils have on my numbers when I am dividing?	Dividing algorithm, map sclaes, estimation, introduction of variables	dividend, divisor, multiples, quotient, <u>remainder</u> , variable	Unit 4 test- individual check off- Will have a additional supplemental evaluation before the end of the year	Lots of supplimental worksheets and Accel Math	5.1.1.1- Lesson 4.2, 4.4, 4.5, 4.6 5.1.1.2- Lesson 4.6 5.1.1.3- Lesson- 4.5, 4.6, 4.7 5.1.1.4- Lesson 4.1 4.3, 4.3, 4.4, 4.5, 4.5, 4.6, 4.7	EDM- 7 days (in addition to EDM days) Stations- 10-14 days
Unit 5	Fractions, Decmils & Percents	How are fractions, decmils and percents related? What are the properties of circle and bar graphs?	Converting fractions to decmils, creating common denominators, Why estimate?, Fractions on calculators, creating equivalent fractions, Creating circle graphs	bar graph, circle graph, denominator, equivalent fractions, improper fractions, mixed number, numerator, percent, whole, <u>graph</u>	Unit 5 test, individual check-off, will also assess again in chapter 6/8	Lots of supplimental worksheets and Accel Math	5.1.1.1- Lesson 5.1, 5.2 5.1.2.3- Lesson 5.3, 5.5, 5.6 5.1.2.4- lessons 5.1, 5.2, 5.3, 5.4, 5.5, 5.7, 5.8, 5.10 5.1.2.5- lesson 5.5 5.1.3.1- lesson 5.3 5.1.3.2- Lesson 5.3	EDM- 11 days (in addition to EDM days) Stations- 18-20 days

Unit 6	Addition and Subtraction of Fractions	How do I add and subtract fractions? When do I read contour maps?	How to create stem and leaf plots, addition and subtraction of fractions, reading contour maps	common denominator, line plot, maximum, median, minimum, mode, denominator, simplest form, stem and leaf plot	Unit 6 test, individual check-off, Assess some skills again in chapter 8	Lots of supplemental worksheets and Accel Math	5.1.1.1- Lesson 6.7 5.1.1.4- Lesson 6.7 5.1.3.1- Lesson 6.8, 6.9, 6.10 5.1.3.2- Lesson 6.8, 6.9, 6.10 5.4.1.1- Lesson 6.1, 6.2 6.4 5.4.1.2 Lesson 6.6	EDM- 9 days (in addition to EDM days) Stations- 15-18 days
Unit 7	Exponents and Negative Numbers	When do I use negative numbers? What do exponents represent?	Exponential notation, scientific notation, order of operations, using negative numbers,	axis, expanded notation, exponential notation, exponent, expression , factor, line graph , number and word notation, order of operations, power of, standard notation, Venn diagram	Unit 7 test, individual check list-	Lots of supplemental worksheets and Accel Math	5.1.2.1- lesson 7.2, 7.3 5.2.1.1- Lesson 7.6, 7.7 5.2.1.2- Lesson 7.6 5.2.2.1- 7.4, 7.5 5.4.1.2- Lesson 7.6	EDM- 11 days (in addition to EDM days) Stations- 6-9 days
Unit 8	Fractions and Ratios	How do I rename fractions? How do I multiple and divide fractions?	multiplication and division of fractions, adding and subtracting mixed numbers, Percent of a number	common denominator, mixed number	Unit 8 test and individual check-list	Lots of supplemental worksheets and Accel Math	5.1.2.3- Lesson 8.1 5.1.3.1- Lesson 8.2, 8.3, 8.4, 8.5	EDM- 12 days (in addition to EDM days) Stations- 10-12 days
Unit 9	Coordinates, Area, Volume, and Capacity	Who do I plot coordinate points? What is the difference between volume, area and capacity?	graphing of coordinate points, area and volume of shapes, capacity	area, axis, base , capacity, coordinate, coordinate graph, cubic, face, formula, height, ordered pair , origin, perpendicular, reflection, square unit, translation, variable, volume	Unit 9 test, individual check list, More assesment in Unit 11	Lots of supplemental worksheets and Accel Math	5.2.1.1- Lesson 9.1, 9.2, 9.3 5.3.2.1- Lesson 9.4, 9.5, 9.6 5.3.2.3 Lesson 9.8 5.3.2.4 Lesson- 9.8, 9.9, 9.10	EDM- 10 days (in addition to EDM days) Stations- 10-15 days
Unit 10	Using Data; Algebra Concepts and Skills	What are the relationships within an algebraic expression? How can I use a pan balance to solve equalities?	Pan balance problems, Using algebraic expressions to help describe rules, area and circumference of circles	algebraic expression, circumference, coordinates, diameter, line graph, pan balance, pi, radius, ratio, rate, variable	Unit 10 test, individual check-list	Lots of supplemental worksheets and Accel Math	5.2.1.1- Lesson 10.4, 10.5, 10.6, 10.7, 10.8 5.2.1.1- Lesson 10.4, 10.5, 10.6, 10.7, 10.8 5.2.2.1- Lesson 10.3, 10.5, 10.7 5.2.3.2- 10.3, 10.5, 10.7 5.2.3.3 lesson 10.3, 10.4, 10.5 10.9 5.4.1.2- Lesson 10.2, 10.4, 10.6, 10.7	EDM-9 days (in addition to EDM days) Stations- 10-12 days
Unit 11	Volume	How do I find the Volume of a shape?	Volume of cylinders, pyramids and cones- How to figure out capacity vs weight?	apex, base, cone, cylinder, edge , geometric solid, polyhedron, prism, pyramid , sphere, surface area , vertex	Unit 11 test, individual check-list	Lots of supplemental worksheets and Accel Math	5.3.1.1- Lesson 11.1, 11.2 5.3.2.2- Lesson 11.7	EDM- 7 days (in addition to EDM days) Stations- 4-6 days

Unit 12	Probability, Ratios and Rates	How do I calculate a rate? How do I use ratios and rates?	calculating ratios, rates and probability	common factor, factor tree, greatest common factor, least common multiple, prime factorization, probability, rate, ratio,	Unit 12 test, individual check list	Lots of supplemental worksheets and Accel Math	None	EDM- 7 days (in addition to EDM days) Stations- 4-6 days
5.1.1.2- only covered in one lesson- need more work interpreting remainders 5.1.2.1- millionths never covered	5.1.2.2- not taught 5.1.2.3- need more practice ordering fractions	5.1.2.5- MJ page goes against rounding rules- need more practice especially to thousandths 5.1.3.2- no multi-step problems	5.1.3.3- only 2 lessons needs to be incorporated into unit 5/6 5.1.3.4- need more real life examples	5.2.1.1- only one example of a double bar graph- need to work more on rules of change 5.2.2.1- Associative and distributive not covered, need more practice on order of operations	5.2.3.1- Need more work on inequalities 5.2.3.2 - need to know how to create real world inequalities	5.3.1.2- Nets- need more practice 5.3.2.1- more practice needed with rectangles and triangles finding area	5.3.2.2- surface area- need more practice- hands on 5.3.2.3- only 1 lesson 5.3.2.4 - only 2 lessons 5.4.1.1- need additional practice 5.4.1.2- no double bars graphs?	